



4 PROJECTS

Launch a Flying Saucer
Light a Fiber Optic Tree
Build 4 Fun Electrical
Circuit Activities



Detailed instructions included

1574 Barclay Blvd.
Buffalo Grove, IL 60089 U.S.A.
Visit us at: www.myeblox.com

Model CB-0941



© 2021. All rights reserved.
U.S. Patents: 6,805,605
and other patents pending.
Colors and styles may vary.
Requires three (3) "AA" batteries
Made in China

Build your own FLYING SAUCER



WARNING:
CHOKING HAZARD
- Small parts. Not for children under 3 years.



8+



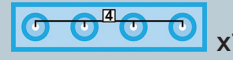
FLYING SAUCER



INSTRUCTIONS

4 PROJECTS

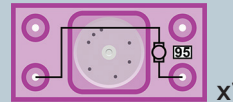
COMPONENT LIST



x1



x1



x1



x1



x1



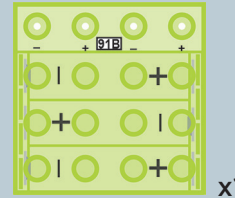
x1



x1

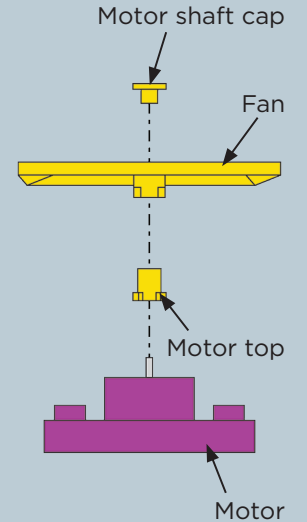


x1



x1

FAN ASSEMBLY

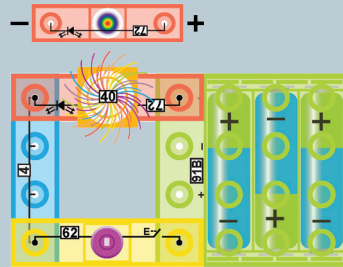


Note:
Do not mix old and new batteries.
Do not mix alkaline, standard (carbon-zinc),
or rechargeable batteries.

PROJECT 1 - LIGHT THE COLOR-CHANGING FIBER OPTIC TREE

Build the circuit shown below. Turn on the switch (62) by pressing it down; the color-changing LED (72) will light the fiber optic tree (40), which will change colors over time. Turn off the switch (62) by pressing down on it, and the color-changing LED (72) will turn off.

Note: The color-changing LED (72) has a positive (+) and negative (-) polarity. This means if it is put on backwards, it will not light up. Make sure the color-changing LED (72) is in the same direction shown in the circuit diagram.

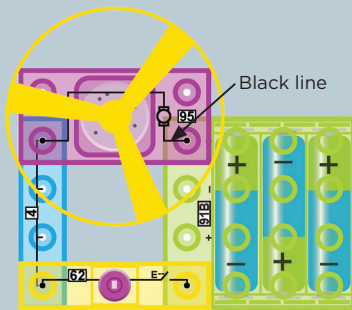


PROJECT 2 - SPIN THE FAN

Build the circuit shown below. Place the fan blade (60) on the motor (95), turn on the switch (62) by pressing it down, and the motor (95) will start spinning. Turn off the switch (62) by pressing it down; the motor (95) will stop spinning.

Note: Make sure the motor (95) is in the same direction shown in the circuit diagram (note the orientation of the black lines printed on the motor). In this orientation, the fan (60) will spin clockwise, which causes a downward force on the fan blade, and thus the fan (60) will NOT launch in this project (see next project).

WARNING: Moving parts. Do not touch the fan or motor during operation. Do not lean over the motor.



PROJECT 3 - LAUNCH THE FLYING SAUCER

Build the circuit shown below. Place the fan blade (60) on the motor (95), turn on the switch (62) by pressing it down, and the motor (95) will start spinning. To launch the fan, you may need to turn off the switch (62) by pressing down on the button, or give the fan a tap from underneath with your fingernail.

Note: Make sure the motor (95) is in the same direction shown in the circuit diagram (note the orientation of the black lines printed on the motor). In this orientation, the fan (60) will spin counter-clockwise, which causes an upward force on the fan blade that makes the fan (60) launch. Also, remove the motor shaft cap if it was installed previously as it will prevent the fan (60) from launching.

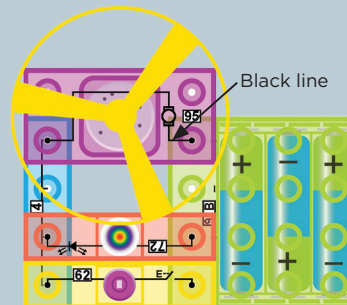
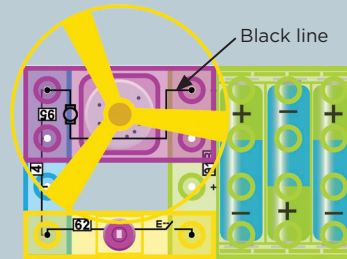
WARNING: Moving parts. Do not touch the fan or motor during operation. Do not lean over the motor.

PROJECT 4 - SPIN THE FAN & LIGHT THE COLOR-CHANGING LED

Build the circuit shown below. Turn on the switch (62) by pressing it down; the motor (95) will start spinning and the color-changing LED (72) will light and change colors over time. Turn off the switch (62) by pressing down on it, and the motor (95) will stop spinning and the color-changing LED (72) will turn off.

Note: The motor (95) and color-changing LED (72) are in parallel in this circuit since they both see 4.5V from the battery module (91B). This does draw more current, but enables the motor (95) and color-changing LED (72) to operate simultaneously.

WARNING: Moving parts. Do not touch the fan or motor during operation. Do not lean over the motor.

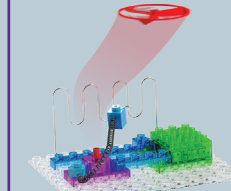


OTHER CIRCUIT BLOX® PRODUCTS



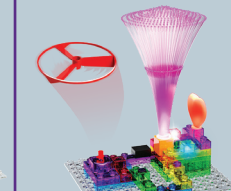
Burp & Fart Machine

10 hilarious sounds, including burp and fart sounds that are so real, you'll be holding your nose! 6 pieces, including a speaker, sound module, & more!



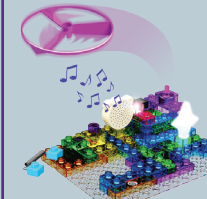
Fan Launch Challenge

How steady is your hand? Try to follow the maze with the hook without launching the fan. 8 pieces, including a motor, fan, maze, and more!



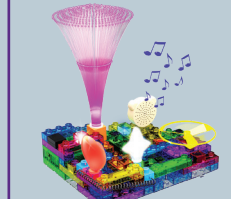
59 Projects

22 pieces, including three types of switches, fiber optic tree, bi-directional and color-changing LEDs, heart LED, motor, fan, buzzer, and more!



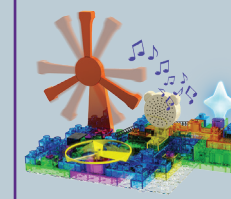
120 Projects

46 pieces, including a motor, 3 fans, sound and FM radio modules, speaker, four types of switches, star LED, lamp, and more!



395 Projects

68 pieces, including a motor, 3 fans, sound and FM radio modules, speaker, resistors, capacitors, NPN transistor, heart and star LEDs, and more!



800 Projects

78 pieces, including a motor, 3 fans, inductor coil, magnet spinner, sound module, fan, buzzer, resistors, capacitors, transistors, and more!



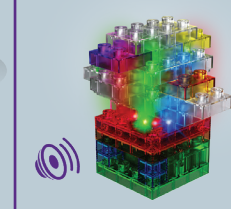
Sound & Touch-controlled Light Show

37 pieces, including 28 LED blox, base grid, and color-changing lamp module. Sound and touch activated! Watch your creation's lights dance to music or your voice!



Lights 'n Motion

Create flashing structures that spin! 25 pieces, including 16 color-changing and 4 white LED blox, slow motor, and gear.



Sound Activated Dancing Lights

32 pieces, including 25 transparent spacer blox, color-changing lamp module, voice/sound controller, and more!