



## Circuit Playground Snow Globe Kit

PRODUCT ID: 4011

Light up the winter nights this year with an electronic Snow Globe! This kit provides everything you need to make your very own, no soldering required! You can use MakeCode to program various light and sound effects into the Circuit Playground Express. MakeCode uses easy-to-understand drag and drop programming blocks, so even if you've never programmed before, you'll be rockin' like the Rockettes.

Check out the many electronic snow globe guides we have for you to follow!

The custom plastic 'snow globe' container is durable, clear, and round, with a large flat screw-on top and a press-fit rubber stopper. The stopper makes a nice seal, and is also *hollow* which means you can put (you guessed it...) electronics inside! This makes it perfect for your own electronic-powered snow globe.

The stopper inner diameter is ~60mm diameter and ~13.5mm deep, which means it has *tons* of room for goodies. We picked this size because it fits a Circuit Playground Express with a 500 mAh lipo battery perfectly.

This kit contains:

- 1 x DIY Snow Globe
- 1 x Circuit Playground Express
- 1 x Lithium Ion Polymer Battery – 3.7V 500mAh
- 1 x Adafruit Micro Lipo – USB Lilon/LiPoly Charger

To program with MakeCode you'll need a Mac, Windows, ChromeOS or Linux computer. A standard micro-B USB data-sync cable is required to program it as well. You'll need water, glitter or some other snow-like materials, glycerine (to slow the water down), something cool to show off inside, and E6000 glue to make the stopper seal permanent. Those items are not included, but you can purchase them at your friendly local art supply, crafting or hardware store.

## TECHNICAL DETAILS

- Globe diameter: 108mm
- Mouth diameter: 62mm
- Height: 120mm