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LilyPad LilyMini ProtoSnap

DEV-14063

★★☆☆☆ 2

DESCRIPTION   INCLUDES   DOCUMENTS

The LilyMini ProtoSnap is a great way to get started learning about creating interactive e-textile circuits before you start sewing. Like other LilyPad ProtoSnap boards, the LilyMini ProtoSnap has all of its pieces wired together out of the box, enabling you to test the circuit's function before you sew. At the center of the board is a pre-programmed LilyMini microcontroller connected to a LilyPad Light Sensor, LilyPad Button and two pairs of LilyPad LEDs.

The LilyMini ProtoSnap ships with pre-loaded code that uses all the LilyPad pieces connected to it. This sample code has three modes, which can be selected by pressing the LilyPad Button on the bottom-left side of the ProtoSnap. The built-in RGB LED on the LilyMini will change color to indicate which mode has been selected:

- **White:** All LEDs on.
- **Magenta:** LEDs fade in and out in a breathing pattern. When the light sensor is covered, LEDs fade faster.
- **Cyan:** LEDs off. When the light sensor is covered, LEDs will twinkle.

The LilyMini board, at the center of the ProtoSnap, has a built-in battery holder for a CR2032 battery (included). On the opposite side of the LilyMini you will find the SAMD11 brain, which controls the ProtoSnap.

Note: A portion of this sale is given back to Dr. Leah Buechley for continued development and education in e-textiles.

Note: The LilyPad LilyMini ProtoSnap does NOT include sewing needles or conductive thread. These items will need to purchased separately.

GET STARTED WITH THE LILYMINI PROTOSNAP GUIDE

Tags

E-TEXTILE   LILYPAD   PROTOSNAP   SEW   WEARABLE

LilyPad LilyMini ProtoSnap Product Help and Resources

TUTORIALS   SKILLS NEEDED

LilyMini ProtoSnap Hookup Guide
DECEMBER 17, 2016
Explore the LilyPad LilyMini ProtoSnap and learn how to use it.

Night-Light Pennant with LilyMini ProtoSnap
DECEMBER 16, 2016
Use the pre-programmed LilyMini ProtoSnap to make an interactive pennant that reacts to ambient light levels.

Getting Started with LilyPad
OCTOBER 27, 2017
An introduction to the LilyPad ecosystem - a set of sewable electronic pieces designed to help you build soft, sewable, interactive e-textile projects.

COMMENTS 7   **REVIEWS** ★★☆☆☆ 2

Customer Reviews

★★☆☆☆ 2.5 out of 5

Based on 2 ratings:

5 star		0
4 star		1
3 star		0
2 star		0
1 star		1

Currently viewing all customer reviews.

1 of 1 found this helpful:

★☆☆☆☆ **It's a toy, not a tool**
about 9 months ago by Member #528248 ✓ verified purchaser

Given that the other Lilypads have Arduino IDE support, and given that no where in the product description does it say the LiliMini does not, and given that it has a USB port (that's a lot of givens), it is reasonable to assume that you can reprogram this board. You cannot. At least not easily, and only by soldering a connector on for an external programmer. Five months later and still nothing. The blinking LEDs are only entertaining for so long.

> Kansukee/f replied on June 13, 2017:
>
> Sorry to hear about the issues with the Lilypad mini. We're still working on getting the arduino definitions and programming method setup on the new SAMD11 board that's on the Lily mini - it's a little different from the traditional lilypads AVR chip. We hope to have them up as quickly as possible.
>
> I apologize for any frustration that working with the board before the Arduino USB programming capabilities are finished.

★★★★☆ **Great for teaching kids about circuits**
about 10 months ago by Member #637926 ✓ verified purchaser

I ordered several of these for our Maker group - It's great for the kids to play with the functions before the incorporate them into a project. It really helps them understand how everything will need to be connected.
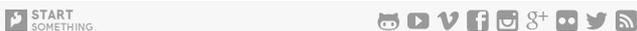
In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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