



cc images are CC BY 2.0

   

[Previous Versions ▾](#)

SparkFun Stepoko

ROB-13899 ROHS ✓ ⚡

4

DESCRIPTION

FEATURES

DOCUMENTS

- 3 Stepper Connections
- Full to 1/8 stepping
- Comes with Heatsinks Installed!
- Comes with Thermal Gap Filler
- Options for input and feedback include E-Stop, Reset, Feed Hold, Cycle Start, Homing Location, and Probing.
- Has option for Spindle Direction and PWM Control.
- Can be powered from 12-30V.
- Independent axis current limiting adjustments

Tags

CNC ROBOTICS SHAPEOKO STEPPER MOTOR TOOLS

SparkFun Stepoko Product Help and Resources

TUTORIALS

VIDEOS

SUPPORT TIPS

SKILLS NEEDED



Stepoko: Powered by grbl Hookup Guide

NOVEMBER 20, 2015

Hardware guide for the Stepoko

Shapeoko Coaster Project

NOVEMBER 20, 2015

A step-by-step guide to cutting and engraving a coaster with the Shapeoko.

Shapeoko Assembly Guide

APRIL 21, 2016

A guide for attaching the Stepoko Add-on kit to a Shapeoko Mechanical kit.

COMMENTS 11

REVIEWS  4

Customer Reviews



Based on 4 ratings:

5 star	<div style="width: 50%; background-color: red;"></div>	2
4 star	<div style="width: 0%; background-color: lightgray;"></div>	0
3 star	<div style="width: 50%; background-color: red;"></div>	2
2 star	<div style="width: 0%; background-color: lightgray;"></div>	0
1 star	<div style="width: 0%; background-color: lightgray;"></div>	0

Currently viewing all customer reviews.

★★★★★ Awesome board, great service

about 2 years ago by [antithesis](#)

This board is very versatile.

★★★★★ Works great

about 2 years ago by [Member #397389](#)

I've got two of these now, not for CNC, but as a general purpose motor controller. The documentation is nice and clear. Board quality is good, and the forums were helpful.

★★★★☆ Good product BUT.

about a year ago by [Member #774474](#)

I think this is a very good product but is a bit expensive when you have to replace it. A more modular design would have been better for the customer. I say this because the first unit I had took a static charge and died so I had to replace it. To counter act the static issues I have tied everything on my Shapeoko to earth ground which has helped keep this guy alive for now.

Things that could be better: - Connectors are too small. If they were removable it would be better but larger ones would be nice as well.

- The Y-Axis could have been broken out into two inputs to make hookup on the Shapeoko easier

★★★★☆ Overpriced. Not that Great

about 8 months ago by [johnelle](#)

I got the Stepoko as part of a full Shapeoko kit. It may be a fun board for experimenters because of all the switches and LEDs, but for just doing CNC its less that desirable. Mine blew a channel in the middle of a job after about 2 months of fairly light use. Repair took 4 weeks (with shipping) because they actually have the tech hand solder new parts on the board because it doesn't use pluggable drivers like a lot of controllers. I got the impression that having to repair driver chips on this board was a fairly regular event—it runs very hot.

The worst part is the support. Most of the techs at Sparkfun don't know CNC so their replies to questions are usually a long diatribe about the board "not being designed for that" (which actually translates to "I have no clue"). It took me a couple of weeks of back and forth to get it to do homing which is a primary function of grbl. Not a great user experience for a high priced part.

 **START SOMETHING.**



[SUBSCRIBE TO NEWSLETTER](#)

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

Downloaded from [Arrow.com](#).

What's on your mind?

For which department?

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.

About Us

[About SparkFun](#)
[SparkFun Education](#) 
[Feeds](#) 
[Jobs](#)
[Contact](#)

Programs

[Become a Community Partner](#)
• [Community Stories](#)
[Custom Kit Requests](#)
[Tell Us About Your Project](#)
[Sell Your Widget on SparkFun](#)
[Become a SparkFun Distributor](#)
[Large Volume Sales](#)

Help

[Customer Service](#)
[Shipping](#)
[Return Policy](#)
[FAQ](#)
[Chat With Us](#)

Community

[Forum](#)
[SparkFun IRC Channel](#)
[Take the SparkFun Quiz](#)
[SparkFun Kickstarter Projects](#)
[Distributors](#)

General

Please include your email address if you'd like us to respond to a specific question.



email address

SUBMIT

[SparkFun Electronics](#)  / [Niwot, Colorado](#) / [Customer Service](#) / [Site Map](#) / [Terms of Service](#) / [Privacy Policy](#)

Questions? Feedback? powered by [Olark live chat software](#)