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Authors: Joel_E_B Favorite 6 Please note that this tutorial for SparkFun Inventor Kit version 4.0 is using RedBoard with FTDI. If you use version 4.1, please refer to the tutorial using RedBoard and CH340. The overall functionality of the kits is the same between v4.0 and v4.1. If you have SIK v3.3 or you use the details from the add-on, please refer to this tutorial. The SparkFun (SIK) inventor's kit is your map for navigating the waters of the onset of embedded electronics. This guide contains all the information you will need to build five projects covering 16 SIK schemes. At the heart of this guide is one basic philosophy: that everyone can (and should) play with electronics. When you do with this guide, you will have built five projects and acquired the know-how to create countless others. Now it's enough to say - let's start something! The printed version of this guide is also available in PDF format. Click on the following link to download it. Keep in mind that the original file size used for the printed guidebook has been reduced for the Internet. Although the file size has been reduced, it is still about 26MB download. Note: This is an online guide to all the latest improvements and fixes. For users following along with the printed version of this guide, please visit sparkfun.com/SIKerrata for any changes that may affect your experience when using the print guide. When choosing a kit you must have one of the next two versions of SIK. If you need an overview of the parts included in the kit, please click on the product link below. KIT-14265 Fourth edition of our popular SIK, completely redesigned from scratch for better learning experience! 20 Retirees Favorite Favorite 46 KIT-14418 4th edition of our popular SIK for Arduino Uno, completely redesigned from scratch for a better learning experience! Perfect... 3 Retirees Favorite Favorite 12 The main difference between the two kits is the microcontroller included in the kit. The SparkFun inventor's kit includes The RedBoard SparkFun, while the SparkFun inventor's kit for Arduino Uno includes the Arduino Uno R3. Each of them is based on the ATmega328p microcontroller, which gives the same functionality under the hood. Both development boards are capable of receiving input (such as pressing a button or a light sensor reading) and interpreting this information to control different outputs (such as flashing LED light or an electric motor). And much, much more! Note: The Arduino Uno kit does not include a carry case or a printed copy of this guide for weight loss and the cost of international delivery. Note: You can complete all 16 experiments in this guide with any kit. If need more information to determine which microcontroller is right for you, please, please from the following textbooks. What's this thing about Arduino? These tutorials are immersed in what Arduino is and along with The Projects and Widgets of Arduino. Favorite Favorite 37 How to Get RedBoard Up and Blinking! Favorite Favorite 4 Open Source! At SparkFun, our engineers and teachers have been perfecting this kit for a long time and coming up with new experiments. We wanted to give an attribution to Oomlout since we originally started working with their Arduino Kit material many years ago. The Oomlout version is licensed under the Creative Commons Attribution Share-Alike 3.0 Unported License. SparkFun Inventor's Kit V4.0 is licensed under creative Commons Attribution Share-Alike 4.0. View as a one-page Next page -- Baseplate Assembly Authors: Joel_E_B, bbohyo Favorite 3 Please note that this tutorial for SparkFun Inventor Kit version 4.1 If you have SIK v3.3 or use parts of the supplement package, please refer to this tutorial. The SparkFun (SIK) inventor's kit is your map for navigating the waters of the onset of embedded electronics. This guide contains all the information you will need to build five projects covering 16 SIK schemes. At the heart of this guide is one basic philosophy: that everyone can (and should) play with electronics. When you do with this guide, you will have built five projects and acquired the know-how to create countless others. Now it's enough to say - let's start something! The printed version of this guide is also available in PDF format. You can view it online as a flipbook or download it to your computer. To download, click on the following link below. Keep in mind that the original file size used for the printed guidebook has been reduced for the Internet. Although the file size has been reduced, it is still about 31.8MB download. When choosing a kit you must have one of the next two versions of SIK. If you need an overview of the parts included in the kit, please click on the product link below. KIT-15267 Fourth edition of our popular SIK, completely redesigned from scratch for better learning experience! 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If you need more information to determine which microcontroller is right for you, please check out the following tutorials. What's this thing about Arduino? These tutorials are immersed in what Arduino is and along with The Projects and Widgets of Arduino. Favorite Favorite 37 This tutorial covers the basic functionality of RedBoard zwhik. This tutorial also covers how to start flashing with an LED and using the zaviik system. Favorite Favorite 3 Open Source! At SparkFun, our engineers and teachers have been perfecting this kit for a long time and coming up with new experiments. We wanted to give an attribution to Oomlout since we originally started working with their Arduino Kit material many years ago. The Oomlout version is licensed under the Creative Commons Attribution Share-Alike 3.0 Unported License. SparkFun Inventor's Kit V4.1 is licensed under Creative Commons Attribution Share-Alike 4.0. 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