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Hardware THE ARDUINO STARTER KIT Hello, our university bought 60 starter kits and I just started using it in class to teach programming. The book is available electronically either creatively commons or for purchase? This will help me immensely in class. Also is the code for projects mentioned in the book available for download? The videos for the book are now released under Creative Commons, so I guess the book digitally (as a paying client that is) I would be very careful to use that book in higher education. There are many other mistakes in it to be useful for that purpose. Especially since the mistakes are on basic physics and electronic theory. I'd be happy to help him correct it, but it's not in the public domain, so it's hard to do. Why not start sharing mistakes on this forum? PACOP: Why not start sharing mistakes on this forum? The most obvious is on page 30, where the OHMS law is abused. They totally negliand the voltage-fall on the LED, which at these voltage levels is a big mistake. The calculations are therefore incorrect and the conclusions wrong. The text also uses non-standard terminology, such as "the amperage used by the LED", which is at best odd and at worst. Everything through Project 01 The concepts of voltage, current, power and energy are mixed. The definitions of current and voltage on page 21 are wrong. Also, there are many smaller things, like those sensors convert energy into electricity, which very few of the sensors we use today. And that a piezoli element vibrates when it is â - "Electricity", which sounds like an explanation of the eighteenth century. There are also a number of strange definitions in the glossary. Hello... It is simply not possible to read the book because of the color of the text. I have to use a magnifying glass, which is rather cumbersome. Someone found a free downlaod (since I've already paid for the book inside the kit). Even old people need love (and darker text)! :-) Thank you! One of my pet peeves is textbooks with mistakes in them. I'm less interested in Typo than I am in statements that are simply wrong. And there are too many too many out there. Sad to know that the project book for the official Arduino Starter kit is yet another. Barbara75 214: Hello ... I simply cannot read the book because of the color of the text. I have to use a magnifying glass which is rather Someone found a free downlaod (since I already paid for the book inside the kit). Even the old needs love (and darkest text)! :-) Thanks! Feel feel! - I feel exactly the same, and I don't consider myself that old. It's as if the author considers only the young eyes should read it. And the colours! Coding and doing something new with your kit does not need to be bling-up with odd color pages or Tiny, gray text - PLEASE! produce a PDF copy and/or a plain text PDF (12 point text), version. 1 How I blamed Wired magazine for the whole "black text on dark blue" and "light grey text on medium red." I see a lot of websites that are hard to read. I don't need style to obscure information. Anders JJ: The most obvious one is on page 30, where the Ohms law is abused. They completely overlook the voltage-drop on the LED, which at this voltage level is a big mistake. The calculations are therefore wrong, and the conclusions wrong. The text also uses non-standard terminology, such as "the amperage used by the LED", which is at best odd and at worst wrong. All through Project 01 the concepts of voltage, current, power and energy are mixed The definitions of current and voltage on page 21 are wrong. The explanation of a resistor on page 25 and how it affects light from an LED is wrong. Also there are a lot of smaller things, like that sensors convert energy into electricity, than very few of the sensors we use today actually. And that a piecey element vibrates when it "receives electricity" which sounds like an 18th century explanation. There are also a number of strange definitions in the Glossary. I was sad to read how the Arduino project book is wearing mistakes. Could anyone have other book recommendations for the new suit to all arduous things and programming? I would like to mention that my interests lie in particular in dynamic LED lighting. It's just me, but could it not be expanded? +1 for the digital copy of the book. Just received my kit and in the 21st century a book is just cumbersome... I think it's unfortunate that the book has to be printed so badly - weak little type hard to read. I received my kit today but I am very disappointed because I cannot read the instructions. Why doesn't someone in charge respond to these complaints and tell us where we can download the book? I would also like a digital version. Dividing my attention between the board, the open book and the board was annoying. If I could have just had it on my screen next to the IDE I would have been much happier. Well, that's great. The book has mistakes, and I'm gonna find out after I buy it. That's why I'm getting confused with this stuff. I want to know about electronics, but have a lousy bok. His good things don't PDF. First they should fix it. Open the source, yes. All about money savings can anyone recommend a good simple simple book I can learn everything I need about the basics and maybe a little more. Thanks About the basics of what? Programming or electronics? And what country is he in? This can affect what people suggest. (And you might want to post the question on Bar Sport, more people read it!) Thank you As far as book tips are concerned, I was hoping for something about electronics in the UK although I can import books too much. Thank you Try âMastering Electronics', written by John Watson, edited by MacMillan/Palgrave. You can get a cheap secondhand copy on the websites of the used book, I personally use www.abebooks.co.uk but of course there are others. I also have the book, and the (obvious) reason why the authors chose a similar color for the press tells me they didn't want people to copy and distribute freely. The grey and light colors don't go very well. next page "Arduino is the world's largest open-source hardware platform offering unlimited possibilities that can be achieved using microcontroller-based products. Therefore, the Arduino Starter Kit is a perfect way to immerse yourself in electronics and programming, having all the essential components in one package that you need to start working with Arduino. In fact, there are so many Arduino Starter Kits available online, each offering a variety of components, and all you have to do is choose the one that best suits your needs. We have provided all the information you need to help you decide which Arduino Starter Kit is best for you. We still can't choose one as the best Arduino Starter Kit as each kit is unique in its own way. How to make the right choice? However, there are 3 important things you need to know in order to choose the best kit for you: First, make sure the microcontroller card is compatible with ONE R3; Secondly, you need to know that there are so many different kits. made for different purposes. So, if you already know what kind of projects you're going to do, you'll need to check the electronics and parts included in the kit that interest you. In addition, it is important to components and parts included in the kit that interest you. In addition, it is important to complete beginner, and you're not sure how everything works and how to program the Arduino board, you should check if the starter kit has a guide to help you in the learning process. best Arduino starter kits perfect for beginners that you can find on Amazon and Banggood. Disclosure: There are affiliate links in this article. As an Amazon associate earning from qualifying purchases.1. Arduino Starter Kitget It On Amazonil First Kit of the list is the Arduino Arduino officer The kit. It has more than 750 customer reviews, which makes users trust the item and buy without hesitation. This kit includes a lot of components and a 170-page Project Book containing 15 different projects that can be realized using components with step-by-step tutorials. The Project Book that comes with this kit contains some basic theories about electronics and provides an overview of the basics of programming, explaining the codes of all projects in the simplest way possible. This is pretty nice if you are a complete beginner, as you will be able to learn how to make amazing projects with the components provided. Another nice thing about this kit is that the project book is available in languages other than English, such as German, Italian, French, Spanish, Cinema, etc. Korean and Korean. The official Arduino Starter Kit contains the following components: Arduino Projects Book Arduino ONE R3USB Cable Boardboard 400 Pins Easy to assemble Wooden base9V snapbatteryWire (70) Stranded jumper cablePhototransistors (6) 10K© Potentiometers (6) Buttons (10) Temperature sensor TMP36S Alphanumeric LCD (16 Å 2-character display) LED (1 x Bright White, 1 x RGB, 8 x Red, 8 bridge L293DOptocouplers 4N35 (2) M OSFET Transistor IRF520 (2) Capacitors (5 x 100pF, 5 packed in a box along with the 170-page book. There are so many reasons to list this kit at the top of the list, such as: the high quality components, the great performance of the kit as it has 2KB of RAM to store information, and the book is well written and very easy to follow. The disadvantages of the product are that it is a bit expensive compared to the other kits on the list and does not come with the programming software. However, you can download it for free from the official Arduino website with all the instructions on how to install it. So if you have a bigger budget and want to get one of the easiest to use kits on the scoreboard, this is for you. 2. Elegoo Mega 2560 Project Ultimate Starter KitGet it on AmazonElegoo has some of the best Arduino Starter Kit. Therefore, one of the biggest kits you can find on the market is their Elegoo Mega 2560 Project Ultimate Starter Kit. Therefore, one of the biggest kits you can find on the market is their Elegoo Mega 2560 Project Ultimate Starter Kit. In addition to basic components such as resistors, potentiometer and LED, it is equipped with an amazing set of modules and sensors such as: RFID reader, water level sensor, module and much more. still. More than 35 lessons for example projects to help you start. Another great thing about the manual is that it includes the code and images of assembled circuits, which makes projects very easy to follow. The kit includes some really large things, including: Mega2560 control board (5 x yellow, 5 x red, 5 x green, 5 x blue, 1 x RGB) Ceramic Capacitor (10UF 50V & 100UF 50V) (4) NPN Transistor (PN22222 & S8050) (10160) Tilt SwitchButton (small) (2) View module 7 digits Temperature and humidity module ResistancePetimeteriometer (2) Rotating Coder Module Servo Motor (SG90) Stepper Motoruln 2003 Driver Motor Passoprototype Expansion Power Supply ModuleHC-SR501 PIR Motion Sensor Interconnection Sensor Interconnect elements e xtra you can notice that this kit includes a lot of advanced components as a joystick module, module, ultrasonic sensor, servo motor, ir receiver, remote and temperature, rfid module, ultrasonic sensor, servo motor, ir receiver, remote and temperature, rfid module, ultrasonic sensor, servo motor, ir receiver, remote and temperature, rfid module, ultrasonic sensor, servo motor, ir receiver, remote and temperature, rfid module, ultrasonic sensor, servo motor, ir receiver, remote and temperature, rfid module, ultrasonic sensor, servo motor, servo motor, ir receiver, remote and temperature, rfid module, ultrasonic sensor, servo motor, servo be a problem. Although the microcontroller is an Arduino clone of Elegoo, it works exactly like the official Arduino. Pins and wires on some useful parts have been pre-sold, which saves a lot of time and is a test that elegoo pays attention to every single detail when it comes to the quality of their products. What makes this kit so special is that this kit is impressive for beginners, and for expert producers as well .3. Elegoo A Super Starter Kit. This kit is very popular, especially because it has helped many beginners to obtain a solid base on the idea of Arduino, and to move further at an advanced level. Since it offers a perfect low price and high quality combination, it is considered to be many to be the best value on the market. With this kit you will get a CD with a PDF file in it, which includes more than 20 tutorials with funny projects. Compared to the previous kit, this comes with a Microcontroller one R3, and includes less elements, which are enough for beginners. This kit contains the following components: Elegoo Uno R3 (compatible with Arduino one) 16x2lcd module (with pin) BoardBreadboard Power Supply ModuleJoySTICK Moduleir EngageServo Motor (SG90) Stepper Motoruln2003 Stepper Engine Driver Boardultrasonic Sensodht11 Temperature and Humidity Module 9V Battery 65 Jumper Wireusb Cinderella (active and passive) Potentiometer 5v relayremote Tettilt Sw (5) 1 digit 7-segment Display4 digit 7 Female to Male (10) All parts have Pins headers, so you don't have to worry about welding. In addition, everything is organized in a practical plastic case. The biggest advantage of the Eledobo One starter kit that makes it so special is that it is not only for beginners, but also for experienced users. The overall performance of this starter kit is fantastic and has no major flaws, so if you are working on a budget, we highly recommend this kit.4. Kuman for Arduino Kit is the only kit that has all the components you want in one package and is one of the best sellers in its class. The kit provides a total of 44 components and you can make a total of 23 projects using them. Also provides eBooks, detailed tutorials including the project circuits, original codes and detailed instructions, all in the form of PDF. thus files, the contents of the Kuman Arduino starter kits are as follows: Kuman One R3 Development BoardUSB Cableprototype Extension Panels Breadboard5V Stepper Motoruln2003 Stepper Motor Driver MOTORLEDS (5 x red, 5 x green, 5 x yellow, 1 x three colors) Vibration sensor (2) Flame Sensorinfrarred ReceiberphOtoresistor (3) Button (4) POVENTIOMETOMPASSISTIN ADJUSTABLE (BUZ) BUZZER ACTIVE (Tone Generator) Jumper Caplarge BreadboardRemote Control16 x 2 LCD ScreenBaadboard ModuleHC-SR04 Modulecomponent BoxDupont Line 10PinBreadboard Line (30) 8 \* 8 Dot Matrix1 digit 8 tube segments 74hc595 Battery HoldingReSistor (5 X 220 ©, 5 x 10k é) ©, 5 x 10k é) Battery 9v40pin Pin © headertermistor Moduletouch SensorCD with tutorial POXONCE Guard over the list of components you can n otice that the most common and useful electronic parts are included. Nothing more or necessary that you don't need if you are an absolute beginner. In addition, all the pieces fit the convenient plastic storage container which help you to be more organized. Moreover, the performance of this kit is fantastic as it features hardware parts made from the best materials and are flexible. Only the down is the box, which, although practical, is a bit tiny and can be a problem to bring all the components back into the box. 5. SMRAZA STARTER KITGET IT on AmazonaNoAltra Great Arduino Starter Kit for Beginners is SMRAZA Ultimate Starter Kit.in Special, contains over 30 parts and 150 common components for Unique Arduino projects. In addition, it comes with all instructions and original codes included. In addition, the kit is packed in a convenient storage container. The Smraza starter kit consists of the following components: R3 Controller BoardBreadboard Holder400 Tie-Points BreadboardServo Motor5V Trayic 74hc5955v DC Motorprecision Potentiometric BUZZER2N3904 Transistor (2) 1N4148 diodes (2) DHT-11 (Temperature and humidity sensor) ) Photoresistor (2) 1N4148 diodes (2) DHT-11 (Temperature and humidity sensor) ) Photoresistor (2) 1N4148 diodes (2) DHT-11 (Temperature and humidity sensor) ) Photoresistor (2) 1N4148 diodes (3) 1N4148 diodes (4) 1N4148 diodes (5) 1N4148 diodes (6) 1N4148 diodes (7) 1N4148 diodes (8) 1N4148 diodes (8) 1N4148 diodes (9) 1N4148 Adapter USB BATTERUSB Cable 65 \* Jumper Wirere Sistor (50 every 330 "©, 10Ké) Fanket Cap (1 x white, 1 x yellow, 1 x green, 1 x red) 4 digit 7-segment DisplayAll components are already welded and are also compatible with many other external sources. On top of that, this kit is easily expandable, just upgrade it with some sensors, and you're ready to do more advanced Arduino projects and explore more possibilities. A drawback is the lack of capacitors, but a servo motor and a DC motor is provided instead.6. Sunfounder Project Super Starter Kit, This is another kind of ARDUINO STARTER kit with a huge collection of components. Although it is very cheap and has only a few reviews, you can still buy this kit without having a second thought as you can do at least 25 interesting projects with more than 200 Components provided in the kit. In addition, it is highly documented with the included DVD which contains detailed instructions to configure the card. Other, it includes a Uno R3 controller card and USB cable and is 100% compatible with Arduino Mega 2560, Arduino Mega 2560 Controller Board5v relyRemote ControlServo Motor (SG90) USB cable (5) LCD1602 Displayir Character Receiverhumiture SensorJoyStSTICK PS274HC595L293DBUTTON (Small) (5) MODULESTEPPER MOTORSTEPPER MOTORSTEPPER MOTORSTEPPER MOTORSTEPPER MOTORSTEPPER DRIFFACT BUZZER4-digit -Segment Display7-Segment Display7-Se 5 imes blue, 5 imes white, 1 imes RGB) Resistors (10 Every 10 imes 0, 100 imes 0compatible with the software Arduino. Above everything, the best thing about this kit is that there is a huge number of good quality pieces come in a well-structured and compact plastic case. The only downside of this kit is that the PDF explanations are a bit complicated. 7. Geekcreit 2560 The most complete Ultimateget It on BanggoodbangGood BanggoodbangGoodSo many great arduino starter kits and the Geekcrees Kit Mega 2560 Starter Kit for Arduino is the last and complete kit that you can find there. In reality, everyone can use this kit, from total beginners, electronics students, experienced users. With a variety of high quality articles, including over 240 pieces in total, in which about 60 are different. A complete list of components included in the Geekcreit Kit Mega 2560 Starter is shown below: LED (5 x red, 5 x green, 5 x blue, 5 x yellow, 5 x white, 1 x RGB) Ceramic capacity (22PF & 104PF) (10) Photeresistor (2) thermal-test rectifier (1N4007) (5) Electrolytic condenser (10UF 50V & 100UF 50V) (4) Transistor NPN (PN2222 & S8050) (10) Tilt SwitchButton (small) (5) 1 digit display 7 segments 4 digits 7 segments 4 digits 7 segments displaysound displaysound module receiver e5v mega 2560 controller card, which is in perfect Arduino clone. Moreover, all the parts are well packaged in a plastic box, which is inexpensive, and at the same time you get the maximum for that price. The other hand, the only disadvantage is that it does not come with tutorial.8. Geekcreit Unor3 Basic Learning Starter Kit for Arduino, It can also be purchased by Amazon. It has fewer components than the previous ones, but it is still possible to create many projects with components provided.com to all other kits on this list, this is the cheapest. For about 20 dollars you get 36 different parts (or more than 100 in total), which is enough to enter electronics and programming. Here the list of components in the Geekcreit Unor3 base starter kit for Arduino: Arduino compatible one r3 development Board -B CablePrototype Tension Tension Minini Breadboard5V Stepper Motor2003 Stepper Motor Driver Boardds (10 x Red, 10 x Green, 10 x Blue) Vibration Sensor (2) Flame SensorIm35 Temperature SensorIm35 Tempe ServosComponent DuPont Linelinea of the Panel (about) 1 x 2200hm Resistance (30) 8 \* 8 Matrix Points1 figure eight segments tube4 digits eight segments eight since the internet offers lots of possibilities. packing you are looking for the best arduino kit starter, probably because you want to make a unique project that Impresponding all those who surround you. First of going, make sure you give a look at all our fantastic Arduino projects. What arduino starter kit is best for you? The best arduino kit for you depends on your needs, from what you intend to do with Arduino, from your level of experience and how much you are willing to spend. Elegoo Mega 2560 Project Ultimate Starter Amazon Kit It is by far my favorite kit. This Arduino starter kit is ideal for both beginners and advanced users. With the tutorials provided, you will realize that learning the electronics is a fun way to spend your time. He has more than one standard one, which means that you can do more in your biggest projects. Prend it on amazonquindi, if you can You are looking for the best kit on the market, this is what it is for you. For a beginner in the world of Arduino Ardu short, it has the best performance and high quality components that you can use to make up to 15 interesting projects. Although more expensive, it comes with a project book of 170 pages with a detailed explanation of all projects, which can help a lot in the learning process. Prend it on amazonma if you are not able to buy kits of Above from Amazon, don't worry. Banggood has its Geekcreit Mega 2560 The Most Complete Ultimate Starter Kit for Arduino that actually is as good as that of Elegoo. It is in fact the most complete starter kit that comes with the Mega 2560 control board. It offers so many high quality components at an affordable price. So don't hesitate to start your trip to the electronics with this fantastic Banggood kit. Suit it to Banggoodhai a Arduino starter kit? If you do, share your experience with others. Also, if you have questions or suggestions, leave a comment in the comments section below.

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