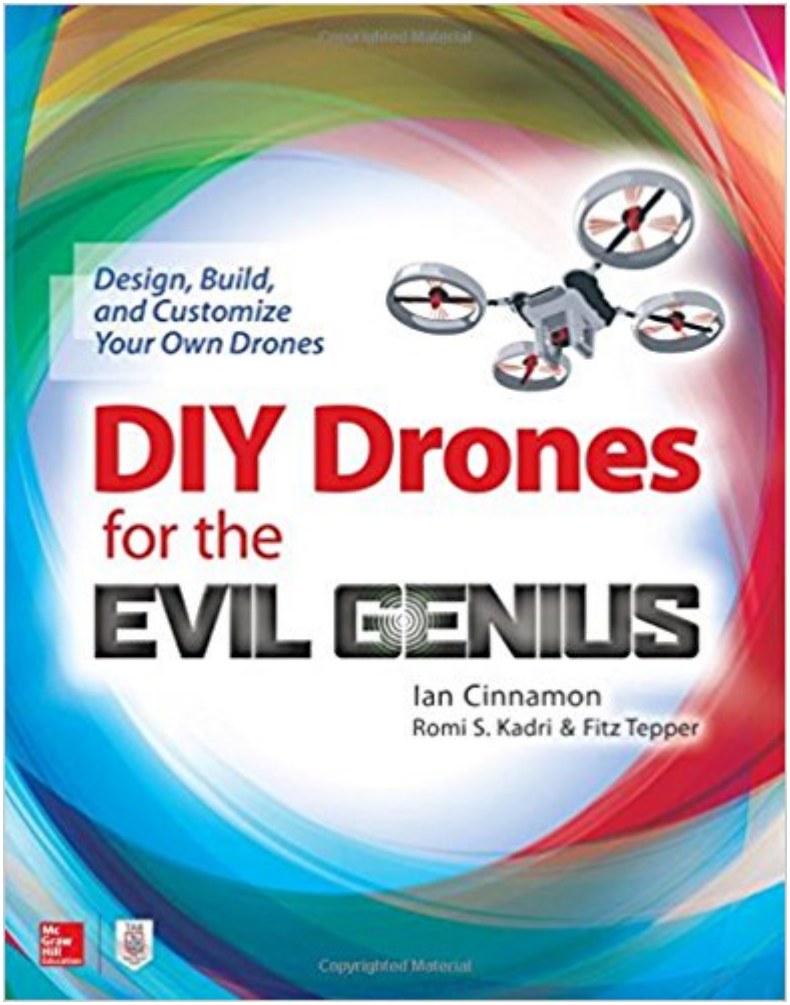
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DIY Drones For The Evil Genius: Design, Build, And Customize Your Own Drones



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Synopsis

Design, build, and pilot custom dronesÃ¢â ¬â ¢no prior experience necessary!This fun guide shows, step-by-step, how to construct powerful drones from inexpensive parts, add personalized features, and become a full-fledged pilot. DIY Drones for the Evil Genius: Design, Build, and Customize Your Own Drones not only covers safety, mechanics, drone design, and assembly, but also teaches the basics of Aerospace Engineering. You will discover how to add video transmitters, GPS, first-person view, and virtual reality goggles to your creations. The book walks you through the FAA licensing process and takes a look at advanced concepts, such as artificial intelligence and autonomous flight.Ã¢â ¬Â¢Ã Â Learn about aircraft parts, control mechanics, and safety practicesÃ¢â ¬Â¢Ã Â Become an expert pilotÃ¢â ¬â ¢even handle flips and high-speed maneuversÃ¢â ¬Â¢Ã Â Pick the perfect parts for your high-performance droneÃ¢â ¬Â¢Ã Â Find out how to solder and start assembling your drone Ã¢â ¬Â¢Ã Â Program the aircraft, calibrate the motors, and start flying!Ã¢â ¬Â¢Ã Â Add LED lights, GoPro mounts, and self-balancing camera gimbalsÃ¢â ¬Â¢Ã Â Explore the world of first-person-view (FPV) drones and high-speed racingÃ¢â ¬Â¢Ã Â See how artificial intelligence can be put to use in the drone industry

Book Information

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Customer Reviews

Top Frame

Secured with zip ties

Gimbal mounted with camera

Ian Cinnamon is an engineer and entrepreneur obsessed with bringing ideas to life.Ã Â He authored the Scientific American Book Club bestseller, Programming Video Games for the Evil Genius and has served in a variety of roles from Technology Advisor to Product Director at technology companies in Silicon Valley. Ian, a Forbes 30 Under 30 Honoree, is an MIT graduate and has been building things since he first fell in love with computer engineering.Romi Kadri began his engineering career at Rolls-Royce, manufacturing compressor blades for jet engines before heading to MIT where he graduated in Engineering and Entrepreneurship.Ã Â Having founded and invested in numerous technology businesses and served in everything from Artist Management at Interscope Records to Innovation at Sonos, he continues to fulfill his love of bringing the most impactful technologies and music to the world.Ã Â In 2016 Romi became a certified pilot, turning his childhood dream of flying airplanes to reality.Fitz Tepper writes for the technology news site TechCrunch about a wide range of topics ranging from FinTech and Bitcoin to drones and self-driving cars. Fitz also currently attends Fordham University’s School of Law, and is a graduate of USC’s Marshall School of Business. Fitz is also a frequent technology commentator on CNN’s Los Angeles-based "CNN Newsroom".Ã Â

This book covers more than how to build and repair a quadcopter, it gives an insight into how and why things fly and stay aloft fixed wings and multi-rotors. It is an easy read with diagrams and illustrations that are just as easy to follow with every project. I highly recommend this book for a first time builder who should fine some invaluable information on connecting the right parts with the right devices; it offers links where you can find all the parts necessary to build the perfect drone.

When I ordered this book I thought it would be like the other evil genius books, where you get some interesting projects and learn some new concepts. I was shocked and thrilled that the first 30 pages are about how flight works. This book goes into such interesting detail for each of the projects. I have read the book, and now I am working on getting the parts to actually start building.I hope they come out with a second book on programming these drones, as I think that would be a big hit, as children love drones and if you can quickly build one and then they can look at programming it, that may attract more people.But, considering the topic, this book is incredible, and they are very

thorough, as they also talk about how to get a drone license from the FAA, so your hobby won’t land you in jail.

Great book for someone getting into drones alot of info easy to understand

IÃƒÂ¢Ã â ¬Ã â„¢ve been interested in drones for a while but didnÃƒÂ¢Ã â ¬Ã â„¢t know where to start. Instead of buying a prebuilt one (like a DJI drone) I thought it would be more fun to build one from scratch and really learn how it works. This book was perfect!The first section of the book teaches the basics of aerospace engineering. I admit I skipped ahead a bit straight to building the drone, but the first section was a great reference later when I was curious about why it was flying.The book has shopping lists of parts (almost all of which are available on) which makes life SO easy. I built my drone for under $300, and it flies as well as a $1500 professional drone. Plus I can upgrade or repair it easily!HIGHLY recommend this book for anyone interested in drones who wants a bit more hands on experience.

Great book! Ian Cinnamon and his coauthors do a great job making complicated subjects extremely accessible to just about anybody. The book not only tells you how to build drones but exactly what each part of the drone does. Mr. Cinnamon does not push you to do what he does; he explains the parts, offers suggestions as to which ones to buy, but then leaves the choice up to you. I came away feeling very confident in my new knowledge of how drones work and how I could build and/or customize them how I want using my imagination. The book even tells how to customize consumer drones. It is so interesting that even if you donÃƒÂ¢Ã â ¬Ã â„¢t plan to build a drone I would recommend it! Definitely a five star book! - John

"DIY Drones for the Evil Genius" (by Ian Cinnamon, Romi Kadri and Fitz Tepper) provides a very effective overview to move from the many available toy drones to the more serious hobbyist level. The book is well organized, allowing the reader to dive into the theory as deep as desired or pick and choose specific subjects of interest to rapidly meet their needs.For me, I was admittedly after more of the "get your hands dirty" portions of the book to get right in and start building my own drone after "outgrowing" my more "toy" drone. But for those more interested in taking a "theorist" approach to the flight of drones, the book also provides aerodynamics of aviation flight and supporting physics, all very useful depending on how much you thirst for theory vs. just the practical aspects. Regardless of which extreme you fall into, or a balance of both, the book provides the

information in a well written, easy to understand document, along with great illustrations and organization.In conclusion, the reader can immerse themselves in as much or little of the theory needed to build their own drone, or more likely, come back to the theory later on as building and flying the drone progresses and the interest level for the theory increases.Several key considerations make this book a great purchase. First, its very well priced, and provides ever so important specific drone first class component sourcing references and vendors to build a top notch drone, and at attractive pricing. One of my concerns going into this purchase questioned if the supplier references would be limited to purchasing from authors of the book, which refreshingly was NOT the case. In fact, the references provided in the book take you to various vendors, many of them "Prime" in fact, selling the specific components and at very reasonable and competitively priced. For me, this is very important keeping the presentation/learning materials very separate from the purchasing side of the components so the book does what its supposed to do, provide objective guidelines and references.Finally, and something one does not often see when purchasing "how to" books is the outgoing support and availability of the primary author, Ian Cinnamon. I had several questions regarding following my initial reading of the book. A link is provided to reach out to Mr. Cinnamon, which I honestly did not expect any kind of effective or timely responses. To my surprise, he responded within minutes of my first inquiry, answering all questions with a willingness to continue helping me as needed which he has. So the author takes a wonderful "hands-on" approach through his timely availability.I look forward to progressing towards the start of building my first drone which is anticipated shortly, having confidence that the book will provide such a broad amount of information, but most important, knowing that the author openly is making himself availble via email to help, making this home-built drone nothing short of a success.

This book is PERFECT for the holidays. If you know anyone who likes science, engineering, or just making stuff, this book will give them weeks of enjoyment. It includes everything from a drone building guide to an overview of aerospace engineeringÃƒÂ¢Ã â ¬Ã Â| you can get as technical as you want with this book.NOTE FOR HOLIDAYS: go on the bookÃƒÂ¢Ã â ¬Ã â„¢s website (diydronebook dot com) to see the shopping list of parts and buy the drone parts ahead of time. That way whoever you give the book to can start building immediately!

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