



Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8

By Donald Norris

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Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8 By Donald Norris

Build a custom multirotor aircraft!

Build and customize radio-controlled quadcopters that take off, land, hover, and soar. *Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8* features step-by-step assembly plans and experiments that will have you launching fully functioning quadcopters in no time. Discover how to connect Elev-8 components, program the microcontroller, use GPS, and safely fly your quadcopter. This fun, do-it-yourself guide fuels your creativity with ideas for radical enhancements, including return-to-home functionality, formation flying, and even artificial intelligence!

- Understand the principles that govern how quadcopters fly
- Explore the parts included in your Parallax Elev-8 kit
- Follow illustrated instructions and assemble a basic 'copter
- Connect the Parallax chip to a PC and write Spin and C programs
- Build radio-controlled systems that minimize interference
- Add GPS and track your aircraft through Google Earth
- Beam flight information to smartphones with WiFi and XBee technology
- Mount cameras and stream real-time video back to the ground
- Train to safely operate a quadcopter using flight simulation software

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Editorial Review

About the Author

Donald Norris is a quadcopter enthusiast and a private pilot. He is also an electronics engineer with an advanced degree in Production Management. Donald is retired from civilian government service with the US Navy specializing in acoustics and digital signal processing. He has more than 13 years' experience as a professional software developer using programming languages including C, C#, C++, Python and Java. Don also has five years' experience as a certified IT security consultant.

Users Review

From reader reviews:

David Conte:

As people who live in the modest era should be up-date about what going on or facts even knowledge to make these individuals keep up with the era that is always change and progress. Some of you maybe will probably update themselves by studying books. It is a good choice to suit your needs but the problems coming to anyone is you don't know what type you should start with. This Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8 is our recommendation to cause you to keep up with the world. Why, because this book serves what you want and wish in this era.

Janet Kline:

People live in this new day time of lifestyle always try and and must have the spare time or they will get great deal of stress from both way of life and work. So , when we ask do people have extra time, we will say absolutely yes. People is human not a robot. Then we request again, what kind of activity do you possess when the spare time coming to an individual of course your answer will probably unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative inside spending your spare time, the actual book you have read is usually Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8.

David Peacock:

Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8 can be one of your beginning books that are good idea. We recommend that straight away because this publication has good vocabulary that could increase your knowledge in language, easy to understand, bit entertaining but delivering the information. The copy writer giving his/her effort to set every word into satisfaction arrangement in writing Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8 although doesn't forget the main place, giving the reader the hottest in addition to based confirm resource data that maybe you can be considered one of it. This great information could drawn you into brand new

stage of crucial thinking.

Charles Rowe:

Are you kind of hectic person, only have 10 or even 15 minute in your time to upgrading your mind expertise or thinking skill also analytical thinking? Then you are receiving problem with the book than can satisfy your small amount of time to read it because pretty much everything time you only find publication that need more time to be study. Build Your Own Quadcopter: Power Up Your Designs with the Parallax Elev-8 can be your answer given it can be read by you who have those short time problems.

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