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LEGO MINDSTORMS NXT Hacker's Guide (Electronics)

By Dave Prochnow



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Build and Program Over 20 Challenging Design Projects in Just 30 Minutes Each with the New Generation of LEGO® MINDSTORMS®

More powerful and intuitive than ever, LEGO® MINDSTORMS® NXT is a new robotics toolset that enables robot enthusiasts and hobbyists to build and program all kinds of projects. The *LEGO® MINDSTORMS® NXT Hacker's Guide* explores this new generation of LEGO MINDSTORMS, providing a collection of projects, how-to expertise, insider tips, and over 500 illustrations to help readers become expert NXT hackers.

This cutting-edge guide describes new advances that make LEGO MINDSTORMS NXT such a great robotics resource. The book explains the all-new NXT intelligent brick...the interactive servo motors with rotation sensors that align speed for precise control...the ultrasonic sensor that allows robots to “see” by responding to movement...the improved light and touch sensors that let robots detect color and feel...and much more. *The LEGO® MINDSTORMS® NXT Hacker's Guide* features:

- Expert, insightful commentary by a member of the LEGO MINDSTORMS Developer Program
- A hands-on account of the new technologies and expanded sensor capabilities of LEGO MINDSTORMS NXT
- A collection of 10 hacking projects with step-by-step instructions for creating things ranging from solar power to ZigBee® technology to tank tread feet [“projects” appears twice.]
- A portfolio of 12 exciting design projects featuring R. Buckminster Fuller's Geodesic Dome, Rem Koolhaas' Seattle Central Library, and the world's first NXT wristwatch
- Complete disclosure about a “secret” game that is hidden inside every LEGO MINDSTORMS NXT kit
- An in-depth guide to the NXT programming language
- A special LEGO factory kit offer available only for readers of this book

Inside This Groundbreaking NXT Reference

• Your First Robot • Stupid RCX Tricks • Save Your RIS • As Smart as a Brick • MOVE IT! With Servo Motors • Hmm, I Sense Something • Yes, But I Don't Know How to Program • Testing, Testing; Oh, Trouble Shoot • Katherine's Best

Hacking Projects • Katherine's Design Fun House • NXT Programming
Language Guide • NXT Elements • NXT Resources

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Editorial Review

From the Back Cover

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LEGO® MINDSTORMS® NXT HACKER'S GUIDE FEATURES:

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About the Author

Dave Prochnow is an award-winning professional writer, editor, and contributor to numerous technical publications including *MAKE*, *Nuts and Volts*, and *SERVO*. He is the author of 26 nonfiction book titles for Addison-Wesley, F&W Publications, McGraw-Hill, and TAB Books; including the bestselling *PSP Hacks*, *Mods*, and *Expansions* (McGraw-Hill, 2006) and *The Official Robosapien Hacker's Guide* (McGraw-Hill, 2006). In 2001, Dave won the Maggie Award for writing the best how-to article in a consumer magazine.

Users Review

From reader reviews:

Connie Griffin:

This LEGO MINDSTORMS NXT Hacker's Guide (Electronics) book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you have by reading this book is definitely information inside this publication incredible fresh, you will get details which is getting deeper an individual read a lot of information you will get. This particular LEGO MINDSTORMS NXT Hacker's Guide (Electronics) without we understand teach the one who studying it become critical in pondering and analyzing. Don't become worry LEGO MINDSTORMS NXT Hacker's Guide (Electronics) can bring whenever you are and not make your case space or bookshelves' turn into full because you can have it inside your lovely laptop even phone. This LEGO MINDSTORMS NXT Hacker's Guide (Electronics) having excellent arrangement in word as well as layout, so you will not truly feel uninterested in reading.

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Travis Mahon:

In this time globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The health of the world makes the information much easier to share. You can find a lot of referrals to get information example: internet, paper, book, and soon. You can observe that now, a lot of publisher that print many kinds of book. The book that recommended for you is LEGO MINDSTORMS NXT Hacker's Guide (Electronics) this guide consist a lot of the information of the condition of this world now. This kind of book was represented how does the world has grown up. The words styles that writer make usage of to explain it is easy to understand. Often the writer made some analysis when he makes this book. Honestly, that is why this book suitable all of you.

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