



## Robot Builder's Bonanza, 4th Edition

By Gordon McComb

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**Robot Builder's Bonanza, 4th Edition** By Gordon McComb

**The Bestselling Robotics Book--Now with New Projects and Online Tools!**

"Amazing...should be required reading for any budding robot builder!" -  
GeekDad, Wired.com

Have fun while learning how to design, construct, and use small robots! This richly illustrated guide offers everything you need to know to construct sophisticated, fully autonomous robots that can be programmed from your computer. Fully updated with the latest technologies and techniques, *Robot Builder's Bonanza*, Fourth Edition includes step-by-step plans that take you from building basic motorized platforms to giving the machine a brain--and teaching it to walk, talk, and obey commands.

This robot builder's paradise is packed with more than 100 affordable projects, including 10 completely new robot designs. The projects are modular and can be combined to create a variety of highly intelligent and workable robots of all shapes and sizes. Mix and match the projects to develop your own unique creations. The only limit is your imagination!

***Robot Builder's Bonanza*, Fourth Edition covers:**

- Parts, materials, and tools
- Building motorized wooden, plastic, and metal platforms
- Rapid prototyping methods
- Drafting bots with computer-aided design
- Constructing high-tech robots from toys
- Building bots from found parts
- Power, motors, and locomotion
- Robots with wheels, tracks, and legs
- Constructing robotic arms and grippers
- Robot electronics and circuit making
- Computers and electronic control
- Microcontrollers--Arduino, PICAXE, and the BASIC stamp
- Remote control systems
- Sensors, navigation, and visual feedback
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## **Editorial Review**

### About the Author

**Gordon McComb** has written more than 60 books and thousands of magazine articles?more than a million copies of his books are in print, in more than a dozen languages. Gordon has been called "The father of hobby robotics" by *MAKE Magazine*. For 13 years, he wrote a weekly syndicated newspaper column on computers, which reached several million readers worldwide. Gordon is still a regular contributor to *SERVO Magazine*, and most recently completed seven years as writer of their popular Robotics Resources column.

## **Users Review**

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