



Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines

By Matthew Scarpino

[Download now](#)

[Read Online](#) 

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino

The First Maker-Friendly Guide to Electric Motors!

Makers can do amazing things with motors. Yes, they're more complicated than some other circuit elements, but with this book, you can completely master them. Once you do, incredible new projects become possible.

Unlike other books, *Motors for Makers* is 100% focused on what you can do. Not theory. Making.

First, Matthew Scarpino explains how electric motors work and what you need to know about each major type: stepper, servo, induction, and linear motors. Next, he presents detailed instructions and working code for interfacing with and controlling servomotors with Arduino Mega, Raspberry Pi, and BeagleBone Black. All source code and design files are available for you to download from motorsformakers.com.

From start to finish, you'll learn through practical examples, crystal-clear explanations, and photos. If you've ever dreamed of what you could do with electric motors, stop dreaming...and start making!

- Understand why electric motors are so versatile and how they work
- Choose the right motor for any project
- Build the circuits needed to control each type of motor
- Program motor control with Arduino Mega, Raspberry Pi, or BeagleBone Black
- Use gearmotors to get the right amount of torque
- Use linear motors to improve speed and precision
- Design a fully functional electronic speed control (ESC) circuit
- Design your own quadcopter
- Discover how electric motors work in modern electric vehicles--with a fascinating inside look at Tesla's patents for motor design and control!

 [Download Motors for Makers: A Guide to Steppers, Servos, an ...pdf](#)

 [Read Online Motors for Makers: A Guide to Steppers, Servos, ...pdf](#)

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines

By Matthew Scarpino

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino

The First Maker-Friendly Guide to Electric Motors!

Makers can do amazing things with motors. Yes, they're more complicated than some other circuit elements, but with this book, you can completely master them. Once you do, incredible new projects become possible.

Unlike other books, *Motors for Makers* is 100% focused on what you can do. Not theory. Making.

First, Matthew Scarpino explains how electric motors work and what you need to know about each major type: stepper, servo, induction, and linear motors. Next, he presents detailed instructions and working code for interfacing with and controlling servomotors with Arduino Mega, Raspberry Pi, and BeagleBone Black. All source code and design files are available for you to download from motorsformakers.com.

From start to finish, you'll learn through practical examples, crystal-clear explanations, and photos. If you've ever dreamed of what you could do with electric motors, stop dreaming...and start making!

- Understand why electric motors are so versatile and how they work
- Choose the right motor for any project
- Build the circuits needed to control each type of motor
- Program motor control with Arduino Mega, Raspberry Pi, or BeagleBone Black
- Use gearmotors to get the right amount of torque
- Use linear motors to improve speed and precision
- Design a fully functional electronic speed control (ESC) circuit
- Design your own quadcopter
- Discover how electric motors work in modern electric vehicles--with a fascinating inside look at Tesla's patents for motor design and control!

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino
Bibliography

- Sales Rank: #13616 in Books
- Brand: Que
- Published on: 2015-12-10
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .90" w x 7.00" l, .0 pounds
- Binding: Paperback
- 320 pages

 [**Download** Motors for Makers: A Guide to Steppers, Servos, an ...pdf](#)

 [**Read Online** Motors for Makers: A Guide to Steppers, Servos, ...pdf](#)

Download and Read Free Online Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino

Editorial Review

About the Author

Matthew Scarpino is an engineer with more than 12 years of experience designing hardware and software. He has a master's degree in electrical engineering and is an Advanced Certified Interconnect Designer (CID+). He is the author of *Designing Circuit Boards with EAGLE: Make High-Quality PCBs at Low Cost*.

Users Review

From reader reviews:

Lucille Roller:

Now a day those who Living in the era everywhere everything reachable by talk with the internet and the resources in it can be true or not demand people to be aware of each info they get. How many people to be smart in obtaining any information nowadays? Of course the correct answer is reading a book. Examining a book can help people out of this uncertainty Information especially this Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines book since this book offers you rich info and knowledge. Of course the info in this book hundred per cent guarantees there is no doubt in it you may already know.

Leon Moses:

The ability that you get from Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines could be the more deep you excavating the information that hide in the words the more you get thinking about reading it. It doesn't mean that this book is hard to understand but Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines giving you thrill feeling of reading. The author conveys their point in selected way that can be understood by simply anyone who read that because the author of this guide is well-known enough. This book also makes your own vocabulary increase well. That makes it easy to understand then can go to you, both in printed or e-book style are available. We highly recommend you for having this Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines instantly.

David Packard:

Playing with family inside a park, coming to see the water world or hanging out with friends is thing that usually you may have done when you have spare time, and then why you don't try thing that really opposite from that. Just one activity that make you not feeling tired but still relaxing, trilling like on roller coaster you have been ride on and with addition of information. Even you love Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines, it is possible to enjoy both. It is good combination right, you still want to miss it? What kind of hang-out type is it? Oh can occur its mind hangout men. What? Still don't obtain it, oh come on its known as reading friends.

James Bouchard:

You may spend your free time to read this book this reserve. This Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines is simple bringing you can read it in the playground, in the beach, train along with soon. If you did not possess much space to bring the printed book, you can buy typically the e-book. It is make you better to read it. You can save the actual book in your smart phone. And so there are a lot of benefits that you will get when one buys this book.

**Download and Read Online Motors for Makers: A Guide to
Steppers, Servos, and Other Electrical Machines By Matthew
Scarpino #GP978V1H602**

Read Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino for online ebook

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino books to read online.

Online Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino ebook PDF download

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino Doc

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino MobiPocket

Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino EPub

GP978V1H602: Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines By Matthew Scarpino