



# **Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics**

*John Baichtal, Matthew Beckler, Adam Wolf*

[Download now](#)

[Click here](#) if your download doesn't start automatically

# Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics

*John Baichtal, Matthew Beckler, Adam Wolf*

**Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics** John Baichtal, Matthew Beckler, Adam Wolf

Make amazing robots and gadgets with two of today's hottest DIY technologies. With this easy-to-follow guide, you'll learn how to build devices with Lego Mindstorms NXT 2.0, the Arduino prototyping platform, and some add-on components to bridge the two. Mindstorms alone lets you create incredible gadgets. Bring in Arduino for some jaw-dropping functionality—and open a whole new world of possibilities.

## **Build a drink dispenser, music synthesizer, wireless lamp, and more**

Each fun and fascinating project includes step-by-step instructions and clear illustrations to guide you through the process. Learn how to set up an Arduino programming environment, download the sketches and libraries you need, and work with Arduino's language for non-programmers. It's a perfect book for students, teachers, hobbyists, makers, hackers, and kids of all ages.

- Build a Drawbot that roams around and traces its path with a marker pen
- Construct an analog Mindstorms clock with hands that display the correct time
- Create a machine that mixes a glass of chocolate milk at the touch of a button
- Make a Gripperbot rolling robotic arm that you control wirelessly with Arduinos mounted on your arms
- Explore electronic music by building a guitar-shaped Lego synthesizer
- Build a Lego lamp with on/off and dimmer switches that you control with a smartphone application
- Jump feet first into the world of electronics, from learning Ohm's Law to working with basic components

You'll need the Bricktronics shield created for this book by Open Source Hardware kit maker Wayne and Layne, or you can build a breadboarded equivalent (see Chapter 10) for about \$25 in parts.

 [Download Make: Lego and Arduino Projects: Projects for exte ...pdf](#)

 [Read Online Make: Lego and Arduino Projects: Projects for ex ...pdf](#)

## **Download and Read Free Online Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics John Baichtal, Matthew Beckler, Adam Wolf**

---

### **From reader reviews:**

#### **Ruth Davis:**

In other case, little persons like to read book Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics. You can choose the best book if you'd prefer reading a book. As long as we know about how is important the book Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics. You can add information and of course you can around the world with a book. Absolutely right, because from book you can understand everything! From your country until eventually foreign or abroad you can be known. About simple thing until wonderful thing you may know that. In this era, you can open a book or searching by internet gadget. It is called e-book. You can use it when you feel bored to go to the library. Let's study.

#### **Dorinda Kling:**

What do you think about book? It is just for students since they are still students or the idea for all people in the world, what best subject for that? Simply you can be answered for that concern above. Every person has several personality and hobby for each other. Don't to be pressured someone or something that they don't would like do that. You must know how great in addition to important the book Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics. All type of book is it possible to see on many sources. You can look for the internet resources or other social media.

#### **Ashley Downs:**

Information is provisions for people to get better life, information these days can get by anyone at everywhere. The information can be a know-how or any news even a huge concern. What people must be consider while those information which is within the former life are hard to be find than now could be taking seriously which one is appropriate to believe or which one the actual resource are convinced. If you have the unstable resource then you get it as your main information you will have huge disadvantage for you. All those possibilities will not happen in you if you take Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics as your daily resource information.

#### **Matthew Hood:**

This book untitled Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics to be one of several books that best seller in this year, honestly, that is because when you read this book you can get a lot of benefit in it. You will easily to buy this specific book in the book store or you can order it by means of online. The publisher of this book sells the e-book too. It makes you quickly to read this book, because you can read this book in your Touch screen phone. So there is no reason for you to past this book from your list.

**Download and Read Online Make: Lego and Arduino Projects:  
Projects for extending MINDSTORMS NXT with open-source  
electronics John Baichtal, Matthew Beckler, Adam Wolf  
#VJUF50PKQCO**

## **Read Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf for online ebook**

Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf 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 Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf books to read online.

## **Online Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf ebook PDF download**

**Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf Doc**

**Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf Mobipocket**

**Make: Lego and Arduino Projects: Projects for extending MINDSTORMS NXT with open-source electronics by John Baichtal, Matthew Beckler, Adam Wolf EPub**