



Getting Started with the MSP430 Launchpad

Adrian Fernandez, Dung Dang

[Download now](#)

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

Getting Started with the MSP430 Launchpad

Adrian Fernandez, Dung Dang

Getting Started with the MSP430 Launchpad Adrian Fernandez, Dung Dang

This book explores the world of microcontroller development through friendly lessons and progressively challenging projects, which will have you blink LEDs, make music with buzzers & interact with different sensors like accelerometers and temperature sensors. This book is focused on the MSP-EXP430G2 LaunchPad Evaluation Kit, which is a complete microcontroller development platform that includes everything you need to start creating microcontroller-based projects. Many of the 25+ projects will also leverage external components, such as the highly-integrated Educational BoosterPack, which is a modular extension to the LaunchPad and includes many components such as an RGB LED, character LCD & potentiometer.

This book provides helpful guides that break down hardware circuits through visual diagrams and includes fully-commented code examples. Concepts are broken down and explained in an easy to follow language and analogies to help you understand the principles behind each project/system. The projects will encourage you to use and even combine the fundamental concepts to develop your ideas in creating new microcontroller solutions.

Coverage includes:

- Digital Input/Output: buttons, LEDs, turning anything into a button
- Analog Input/Output: sensors, temperature, accelerometer, potentiometer, etc.
- Programming fundamentals: conditional branches & loops, flow, logic, number systems
- Pulse-Width Modulation (PWM): square wave, buzzer, analog signal simulation
- Serial Communication: UART, SPI & I2C
- Code development using Energia, a free, open-source code editor and compiler
- Debugging through serial communication with a computer
- Interfacing with external components such as LEDs, buzzers, potentiometers, sensors & more.

With the help of this book, you will be challenged to think about developing your own unique microcontroller-based application, and you will be equipped to start solving various problems, adding intelligence to existing products, or even developing your own innovative creations with a LaunchPad development kit.

- Includes over 25 projects which focuses on a learn by doing approach
- Contains easy to follow diagrams and code examples
- Covers Programming fundamentals, such as conditional branches and loops, flow, logic, number systems

 [Download Getting Started with the MSP430 Launchpad ...pdf](#)

 [Read Online Getting Started with the MSP430 Launchpad ...pdf](#)

Download and Read Free Online Getting Started with the MSP430 Launchpad Adrian Fernandez, Dung Dang

From reader reviews:

Donald Howard:

The book Getting Started with the MSP430 Launchpad can give more knowledge and information about everything you want. Why then must we leave a good thing like a book Getting Started with the MSP430 Launchpad? Some of you have a different opinion about book. But one aim which book can give many information for us. It is absolutely suitable. Right now, try to closer along with your book. Knowledge or information that you take for that, you may give for each other; you can share all of these. Book Getting Started with the MSP430 Launchpad has simple shape but you know: it has great and large function for you. You can search the enormous world by open and read a book. So it is very wonderful.

Gordon Frederick:

Your reading 6th sense will not betray an individual, why because this Getting Started with the MSP430 Launchpad publication written by well-known writer who knows well how to make book which can be understand by anyone who all read the book. Written inside good manner for you, still dripping wet every ideas and producing skill only for eliminate your own personal hunger then you still question Getting Started with the MSP430 Launchpad as good book not merely by the cover but also through the content. This is one guide that can break don't assess book by its cover, so do you still needing an additional sixth sense to pick this specific!?! Oh come on your examining sixth sense already told you so why you have to listening to an additional sixth sense.

William Evans:

Many people spending their period by playing outside together with friends, fun activity with family or just watching TV the entire day. You can have new activity to spend your whole day by reading through a book. Ugh, ya think reading a book can definitely hard because you have to accept the book everywhere? It alright you can have the e-book, having everywhere you want in your Mobile phone. Like Getting Started with the MSP430 Launchpad which is getting the e-book version. So , try out this book? Let's see.

Bonnie Gallup:

As we know that book is vital thing to add our understanding for everything. By a e-book we can know everything we want. A book is a list of written, printed, illustrated or even blank sheet. Every year has been exactly added. This guide Getting Started with the MSP430 Launchpad was filled with regards to science. Spend your extra time to add your knowledge about your scientific disciplines competence. Some people has distinct feel when they reading the book. If you know how big benefit from a book, you can experience enjoy to read a reserve. In the modern era like at this point, many ways to get book that you just wanted.

**Download and Read Online Getting Started with the MSP430
Launchpad Adrian Fernandez, Dung Dang #2HD6I9ZG7MW**

Read Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang for online ebook

Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang 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 Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang books to read online.

Online Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang ebook PDF download

Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang Doc

Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang Mobipocket

Getting Started with the MSP430 Launchpad by Adrian Fernandez, Dung Dang EPub