

## Getting Started with Bluetooth Low Energy by KTown

PRODUCT ID: 1978

1 IN STOCK

1

ADD TO CART

ADD TO WISHLIST

### DESCRIPTION



## DESCRIPTION

You're interested in what all this BLE stuff is about, anyways? Let Adafruit's lead Engineer, Kevin "KTown" Townsend (a.k.a "50 Ohm") guide you in this detailed tome. KTown teamed up with Akiba (a.k.a "Wireless EL blinky guy") to throw down all their knowledge in this book. **Getting Started with Bluetooth Low Energy: Tools and Techniques for Low-Power Networking** by Kevin Townsend, Carles Cufí, Akiba & Robert Davidson is the only BLE book you'll ever need at your side

With Bluetooth Low Energy (BLE), smart devices are about to become even smarter. This practical guide demonstrates how this exciting wireless technology helps developers build mobile apps that share data with external hardware, and how hardware engineers can gain easy and reliable access to mobile operating systems.

This book provides a solid, high-level overview of how devices use BLE to communicate with each other. You'll learn useful low-cost tools for developing and testing BLE-enabled mobile apps and embedded firmware and get examples using various development platforms-- including iOS and Android for app developers and embedded platforms for product designers and hardware engineers.

- Understand how data is organized and transferred by BLE devices
- Explore BLE's concepts, key limitations, and network topology
- Dig into the protocol stack to grasp how and why BLE operates
- Learn how BLE devices discover each other and establish secure connections
- Set up the tools and infrastructure for BLE application development
- Get examples for connecting BLE to iPhones, iPads, Android devices, and sensors
- Develop code for a simple device that transmits heart rate data to a mobile device

## LEARN



[Introducing the Adafruit Bluefruit LE Friend](#)  
Your new BLE BFF!

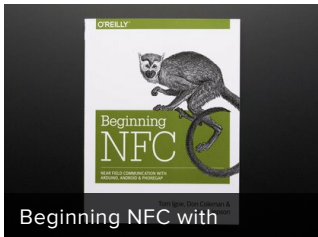


[Reverse Engineering a Bluetooth Low Energy Light Bulb](#)  
Control a Bluetooth Low Energy device with your own code!

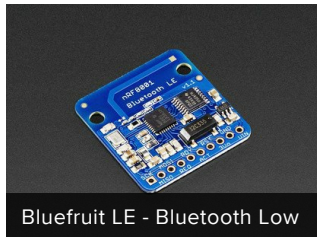


[Bluefruit LE Python Library](#)  
Talk to a Bluefruit LE from a Raspberry Pi, Linux, or Mac OSX machine.

## MAY WE ALSO SUGGEST...



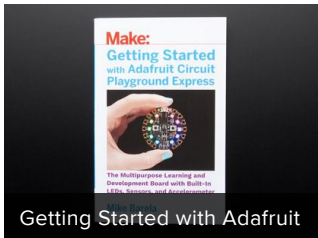
Beginning NFC with



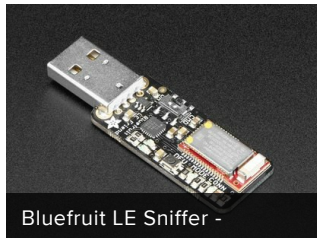
Bluefruit LE - Bluetooth Low



Bluefruit LE Friend -



Getting Started with Adafruit



Bluefruit LE Sniffer -



Make:Bluetooth Book Parts



Make: Bluetooth LE Projects

[CONTACT](#)

[SUPPORT](#)

[DISTRIBUTORS](#)

[EDUCATORS](#)

[JOBS](#)

*"Failing to prepare is preparing to fail"* - Benjamin Franklin

[FAQ](#)

[SHIPPING & RETURNS](#)

[TERMS OF SERVICE](#)

[PRIVACY & LEGAL](#)

[ABOUT US](#)

ENGINEERED IN NYC Adafruit®



4.9 ★★★★★  
Google  
Customer Reviews