

RC2400/RC2400HP-ZNM-DK-USB Demonstration Kit Quick Start

Intro

The Demonstration Kit from Radiocrafts is designed to make it easy for the user to evaluate the module, develop an application and build prototypes very quickly.

There are two paths the final module solution:




1. Use the demo boards/module with preloaded ZNM functionality
2. Write, compile and download your own FW to the module

Included in the kit

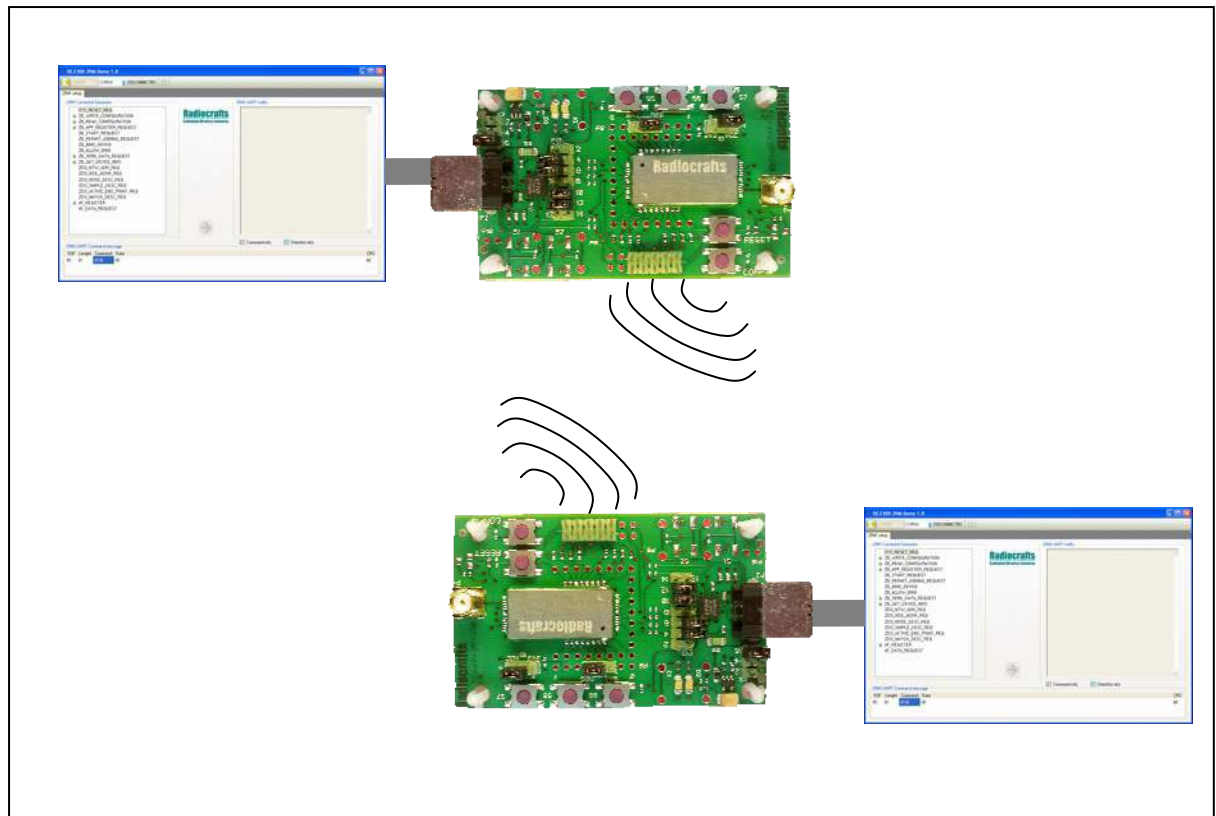
- 3 Demo Boards including ZNM FW
- 3 Antennas
- 3 USB cables
- 1 CC-debugger (programmer/debugger)

How to get started

Please follow this guideline to ensure that the USB driver is properly installed on your computer before you connect the demo board to the PC.

<p>1. Download the latest version of RCTools-ZNM from www.radiocrafts.com</p> 	<p>2. Install the RCTools-ZNM as described in the RCTools Installation Guide. The USB Driver is automatically installed together with RCTools-ZM.</p> 
<p>3. Connect the demo boards to the PC after installing the RCTools PC software. Connect the antenna or connect to your test equipment.</p> 	<p>4. You are now ready to use the Demo Board. Radiocrafts offer a powerful RCTools PC suite, but any terminal program using COM ports can also be used. Visit www.radiocrafts.com to download relevant documents.</p>

Getting started with ZNM



Included in the RCTools (ZNM-CCT) there are two command files for easy setup and communication between two boards. See ZNM-CCT User Manual for details on using ZNM-CCT. This document also includes a step-by-step guide for setting up a simple network.

Getting started creating your own FW

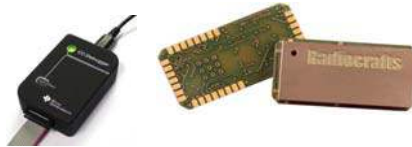
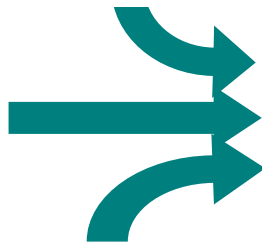


Figure 1 RC24xxDK-USB



Figure 3 www.iar.com



ZigBee
Control your world

Figure 2 Your ZigBee application

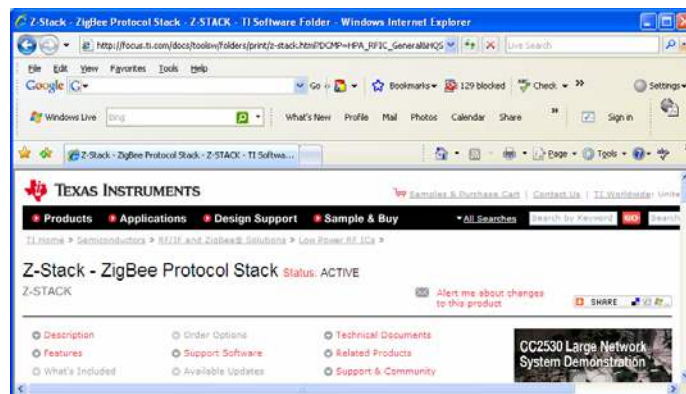


Figure 4 <http://www.ti.com/z-stack>

1. Download and install latest Z-stack for CC2530 from www.ti.com/z-stack
2. Download and install 30 days evaluation version of IAR EW8051 from <http://www.iar.com/website1/1.0.1.0/244/1/>
3. Start IAR and open appropriate project included in Z-stack download
4. Compile for RC24xx and download/debug with CC-debugger

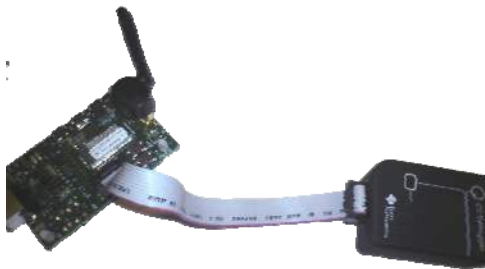


Figure 5 Connecting CC-debugger to RC24xxDB

Related Documents on www.radiocrafts.com

- Module Data Sheet / User Manual (Module RF and embedded firmware description)
- RCxxxxDK-USB User Manual (Description of your Demo Board hardware)
- RCTools installation guide (Install/uninstall description)
- RCTools User Manuals (Description of the RCTools PC applications for your module)

Please visit the product page for the selected module to download all relevant documents.

More information

- Z-stack documentation included in Z-stack download
- IAR EW8051 documentation (www.iar.com)

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