

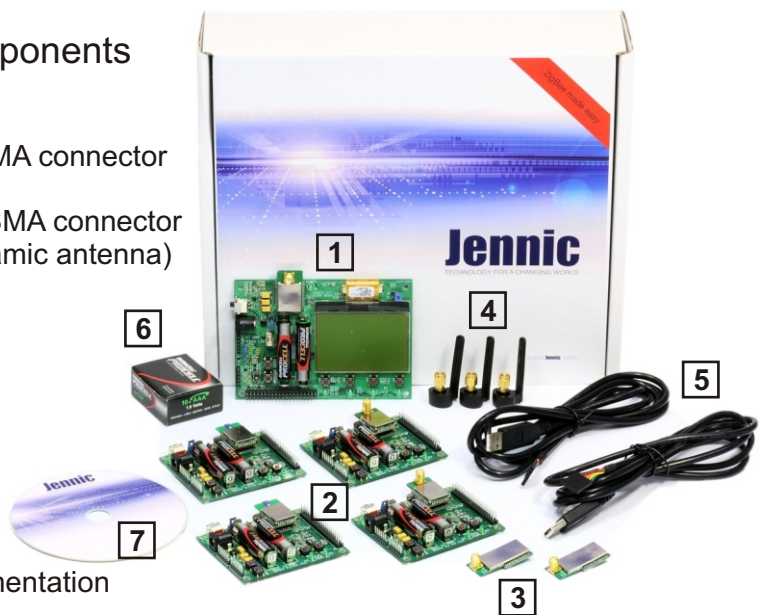
## JN5139-EK010 ZigBee Evaluation Kit Getting Started

Welcome to the JN5139-EK010 ZigBee Evaluation Kit! This document introduces you to the kit by describing what it contains, how to run the pre-loaded demonstration application and how to get started with software development.

### Check the Kit Contents

In the box, you should find the following components of the kit:

- 1 Controller board with pre-installed module with SMA connector
- 2 4 Sensor boards (2 with pre-installed module with SMA connector and 2 with pre-installed module with integrated ceramic antenna)
- 3 2 high-power plug-in modules
- 4 3 SMA-connector antennae
- 5 2 USB-to-serial (FTDI) cables
- 6 1 pack of 10 AAA batteries for the boards
- 7 1 CD-ROM containing the software and user documentation
- Paper documentation, including IEEE 64-bit addresses for the included modules
- Daintree Networks Sensor Network Analyser software



Documentation is provided on the CD-ROM as PDF files. The Adobe Acrobat Reader for this file format can be downloaded free-of-charge from the Adobe web site: [www.adobe.com](http://www.adobe.com).

Jennic are continuously updating and improving their user documentation. Therefore, the manuals supplied on the CD-ROM may not be the latest editions. You can obtain the most up-to-date versions by visiting the Support area of the Jennic web site: [www.jennic.com/support](http://www.jennic.com/support).

## Prepare and Run the Demonstration

The boards have been programmed with a demonstration application that emulates a building control and monitoring system. To run this demonstration, set up the system as follows:

- 1 Insert the batteries in the Controller and Sensor boards (correct orientation is indicated on the boards).
- 2 Attach the antennae (included in the kit) to the modules with SMA connectors on the Controller board and two of the Sensor boards. *Be careful not to over-tighten - finger pressure is sufficient.*
- 3 Power on the Controller board (the one with the LCD panel) using the slide switch on the edge of the board. The power LED will illuminate and the display will show the Jennic logo, along with text above the four buttons along the lower edge of the LCD panel.
- 4 Start the demonstration by pressing the button labelled Done on the far right.
- 5 Power on one of the Sensor boards, using the slide switch on the left-hand edge of the board (viewing the board with the protruding antenna on the top edge). The power LED will illuminate and, after a brief delay, the Controller's display will show that a new unit is present (either Hall or Bedroom, depending on the mode of the Controller).
- 6 Turn on the other Sensor boards and wait for them to join the network (as described above).

The demo is now running and will show monitored temperature and humidity.

To become familiar with the different operations that are available in the demonstration, refer to the *Jennic ZigBee Home Sensor Demonstration User Guide (JN-UG-3033)*, provided in the **Documentation** directory on the CD-ROM.

## Install the Software Developer's Kit (SDK)

To install the SDK included on the CD-ROM, refer to the *Jennic Software Developer's Kit Installation Guide (JN-UG-3035)*, provided in the **Documentation** directory.

## Register for Support

To register for technical support, visit [www.jennic.com/support](http://www.jennic.com/support) and follow the **About Technical Support** link. Once registered, you can create technical support requests and receive feedback via the online technical support system. You can also subscribe to the Support newsletter to ensure Jennic keeps you informed of any support updates.

## Start Developing Applications

Jennic provide a range of resources to help you with your application development:

- Comprehensive user documentation is available on the CD-ROM and in the Support area of our web site. Here, you will also find a wide range of Application Notes containing useful information and example applications. A guide to the relevant documentation can be found in the *Jennic Software Developer's Kit Installation Guide (JN-UG-3035)*.
- The Forums in the Support area of the Jennic web site hosts a thriving community of developers. Post a question here to seek help.
- If you cannot find a satisfactory answer in our documentation or through our Forums, create a support request in our online technical support system (see above).

**Jennic Support Web Site: [www.jennic.com/support](http://www.jennic.com/support)**