

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Quick Start Guide

TWRPI-BLE-DEMO

Tower Plug-In Bluetooth® Low Energy Demo



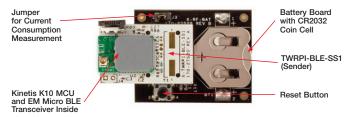


TOWER SYSTEM



Gel to know the TWRPI-BLE-DEMO





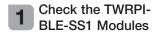


IVVKPI-BLE-DEMO Features

- Contains two Bluetooth Low Energy (BLE) radio modules to evaluate performance and power consumption
- Radio modules are self contained and FCC/CE certified with integrated chip antenna
- Each radio module contains a Kinetis K10 MCU and BLE radio transceiver from EM Microelectronics
- BLE stack and profiles included from Stonestreet One, with easy communication to radio module from host with simple AT modem command set
- Modules are compact, measuring only 11.8 mm x 17.6 mm
- Kinetis KWIKSTIK included with a K40 MCU for host processor



Siep-by-Step Installation Instructions



The demo consists of two TWRPI-BLE-SS1 modules. Both modules are pre-assembled. One module (collector) is plugged into the Kinetis KWIKSTIK and the other module (sender) is plugged into the RF-BAT board.

2 Insert the Battery

Insert the CR2032 coin cell into the battery slot of the sender on the RF-BAT board. The device will remain powered and will be transmitting until the jumper is removed.

Note: Please ensure that the coin cell battery voltage is at least 2.9 V.

Power the Board

To power up the collector board, plug the Kinetis KWIKSTIK board into a PC using the USB cable provided. Either of the micro USB ports on the Kinetis KWIKSTIK will work.

Confirm Pairing of the Boards

The LCD screen on the KWIKSTIK board will illuminate after it is powered from USB cable and will display a numeric value which is being transmitted from the sender representing a heart rate monitor.



5 Change the Reading

Turn the potentiometer knob on the sender to change the value of the heart rate and then observe the changes displayed on the LCD screen of the KWIKSTIK

Note: If no device is found, press the start (touch button) to the left of the LCD to search for the device again.









Quick Start Guide



Visit **freescale.com/BLE** for information on the TWRPI-BLE-DEMO module. including:

- Stonestreet One module user guide
- TWRPI-BLE-DEMO schematics
- Tower System fact sheet
- AT Modem commands for Stonestreet One BLE module
- Stonestreet One web link

Support

Visit freescale.com/support for a list of phone numbers within your region.

Warranty

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For more information, visit freescale.com/Tower

Join the online Tower community at towergeeks.org

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Document Number: TWRPIBLEDEMOGQS REV 3

Agile Number: 926-27590 REV D

