WICED Sense Kit
Quick Start

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Introduction

The WICED Sense TAG is made up of the BCM20737S Bluetooth Low Energy SoC and five ST Microelectronics sensors: gyroscope, accelerometer, eCompass, pressure, and humidity/temperature. The BCM20737S connects directly to the sensors without the need for an external micro-processor. The WICED Sense smartphone application receives and displays real-time data from the sensors.

Kit Contents

1. One WICED Sense TAG

2. One USB to Micro USB cable

3. This document, which contains information about how to download all required software, including the:
   - WICED Sense sample application for iOS.
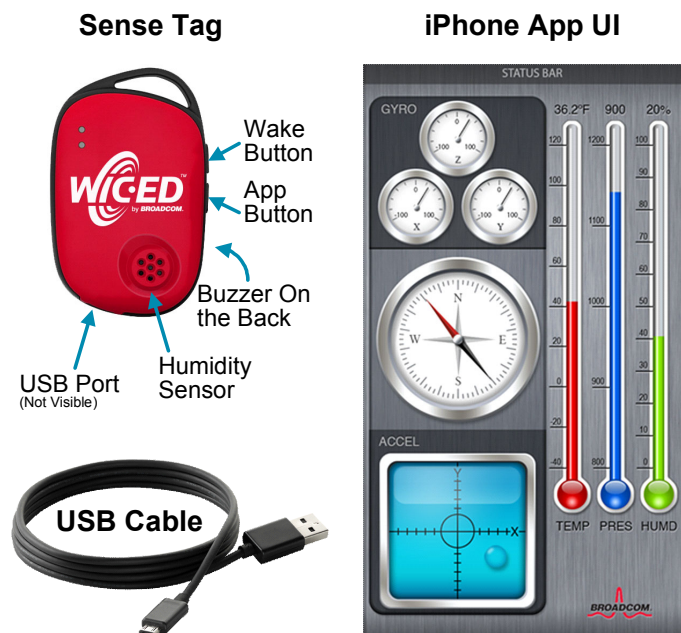   - WICED Smart Software Development Kit 2.X

Setup

Pair the WICED Sense TAG and an iPhone

1. From the iPhone 4S (or greater):
   - Go to the iTunes App Store.
   - Search for and download the WICED Sense app.

2. When the download is complete, start the WICED Sense app.

3. On the WICED Sense TAG:
   - Remove the plastic shipping strip in the battery compartment (pull the tab).
   - Press the Wake button. See the WICED Sense TAG illustration for the location of the Wake button.

4. On the phone, the app will display the WICED Sense kits that are ready to pair. Tap the desired kit to complete pairing.

Tap the information icon ("i") in the lower-left corner of the iPhone screen for application information.

Kit Components

Sense Tag

Wake Button
App Button
Buzzer On the Back
Humidity Sensor
USB Port (Not Visible)

USB Cable

iPhone App UI

For additional information and/or to download the WICED Smart SDK visit:
http://www.broadcom.com/wicedsense

For additional support and/or to download the WICED Sense reference design package, visit:
http://community.broadcom.com/community/wiced-smart

Note
ST Microelectronics Devices used in the WICED Smart Kit
(http://www.st.com/web/en/catalog/sense_power/...):
- Gyroscope (L3GD20) – ...FM89/SC1288/PF252443
- Accelerometer (LIS3DSH) – ...FM89/FM89/SC444/PF252716
- eCompass (LSM303D) – ...FM89/SC1449/PF253884
- Pressure sensor (LPS25H) – ...FM89/SC1316/PF255230
- Humidity Temperature sensor (HTS221) – ...FM89/SC1718/PF260067