

## STSW-BNRG-S2LP evaluation software package based on the BlueNRG-1/2 and S2-LP



### Features

- BLE-Sub1 GHz dual radio navigator PC application
- BlueNRG-1/2 Bluetooth low energy stack binary library and APIs, events callbacks interface
- BLE-Sub1 GHz dual radio demonstration applications (source and header files) supporting the BlueNRG-1/2 and S2-LP kits
- BlueNRG-1/2 CMSIS files
- BlueNRG-1/2 peripheral drivers and related examples
- ST-Sigfox library for ARM® Cortex®-M0 and adaptation layer for the BlueNRG-1/2
- S2-LP library and adaptation layer for the BlueNRG-1/2

### Description

The [STSW-BNRG-S2LP](#) evaluation software package is based on the BlueNRG-1/2 very low power Bluetooth low energy single-mode system-on-chip and S2-LP high performance ultra-low power RF transceiver, also intended for Sigfox networking.

The package supports the BlueNRG-1/2 and S2-LP kit platforms available on related web pages to build dual radio applications. It provides a set of BLE demonstration applications with Bluetooth low energy scenarios coupled with the long range capabilities of sub-1 GHz technology.

The [STSW-BNRG-S2LP](#) DK SW package contains demonstration applications with complete header and source file sets. A complete set of drivers for interfacing the device peripherals (ADC, GPIOs, I<sup>2</sup>C, RTC, SPI, timers, UART, WDG, RTC) and the S2-LP is also provided.

The BLE-Sub1 GHz navigator PC application provides an interactive and user friendly interface to access the BLE-Sub1 GHz DK SW package. The main function of the BLE-Sub1 GHz navigator is to select and run the demonstration application in a user friendly manner, without requiring any extra hardware.

#### Product status link

[STSW-BNRG-S2LP](#)

## Revision history

**Table 1. Document revision history**

Date	Version	Changes
18-Apr-2017	1	Initial release.
06-Nov-2018	2	Updated features and description in cover page.

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