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**BlueNRG, BlueNRG-MS development kits SW package**

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Data brief

**Features**

- Bluetooth® SMART SW package supporting BlueNRG and BlueNRG-MS low energy network processors
- BlueNRG and BlueNRG-MS stack binary images and related IFR configurations files for configuring the BLE stack according to the selected platform configuration
- STM32L1xx ACI (application command interface) framework allowing to control BlueNRG, BlueNRG-MS operations through a set of commands and related events acting over the SPI interface
- BLE demonstrations applications (source, header files and EWARM projects) supporting both BlueNRG, BlueNRG-MS devices and related kits platforms

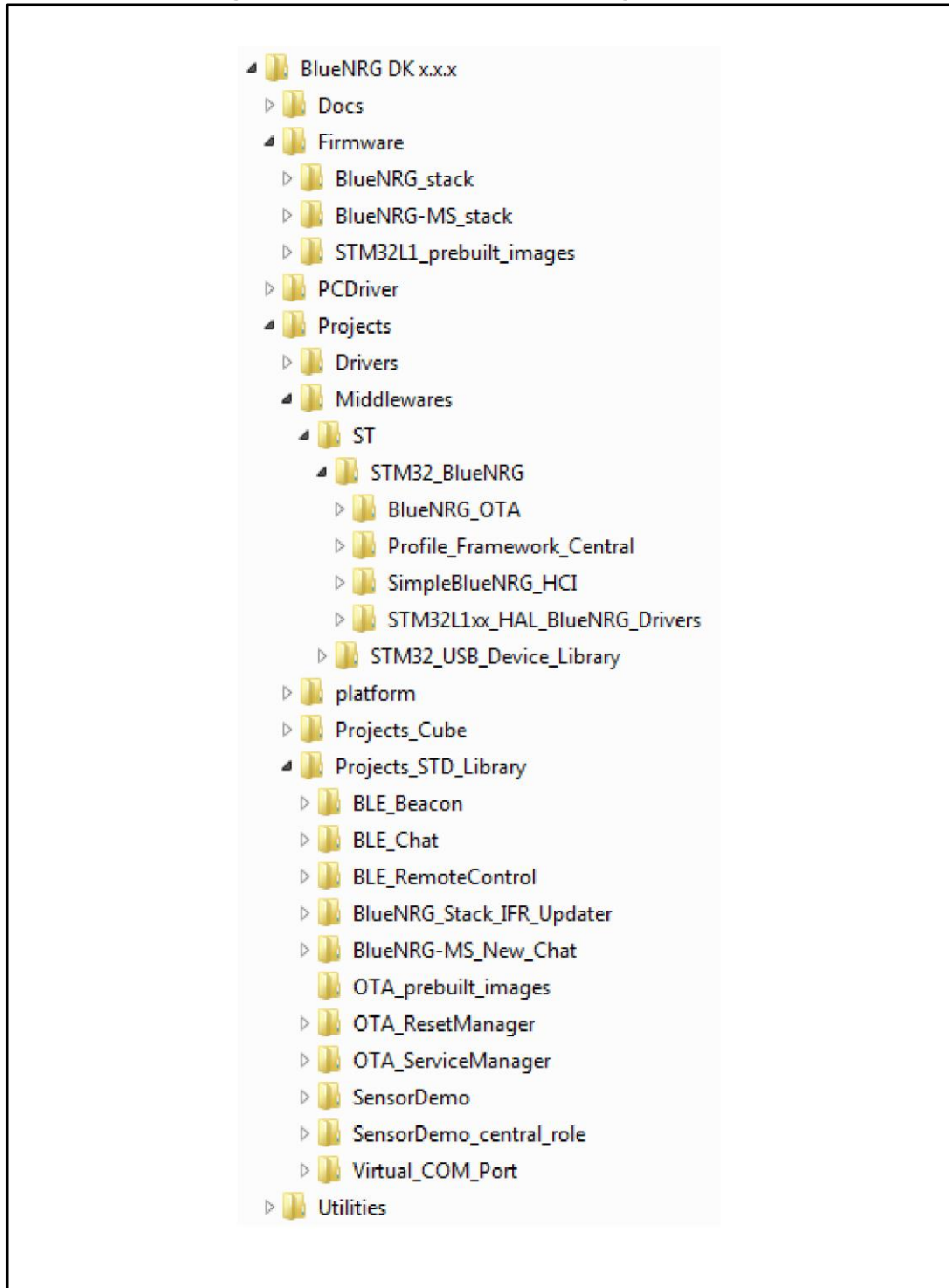
**Description**

The STSW-BLUENRG-DK is an evaluation SW package based on BlueNRG, BlueNRG-MS network coprocessors which are low power Bluetooth® Smart IC, compliant, respectively, with the Bluetooth® 4.0 and 4.1 specifications, and supporting both master and slave roles.

The STSW-BLUENRG-DK SW package supports the BlueNRG, BlueNRG-MS kits platforms available on related web pages. It provides a complete ACI (application command interface) framework running over the STM32L1xx microcontroller, and allowing to interact with the BlueNRG, BlueNRG-MS network coprocessors through an SPI interface in order to issue commands to the BLE stack and get related events. Further, the SW package provides a set of BLE demonstrations applications allowing to show some typical Bluetooth Low Energy working scenarios.

# 1 Software package structure

Figure 1: STSW-BLUENRG-DK SW package structure



## 2 Revision history

Table 1: Document revision history

| Date        | Version | Changes   |
|-------------|---------|---|
| 14-Oct-2015 | 1       | Initial release.  |
| 25-May-2016 | 2       | Removed reference to BlueNRG GUI and script launcher utility. |

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