STSW-BLUENRG-DK

BlueNRG, BlueNRG-MS development kits SW package

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
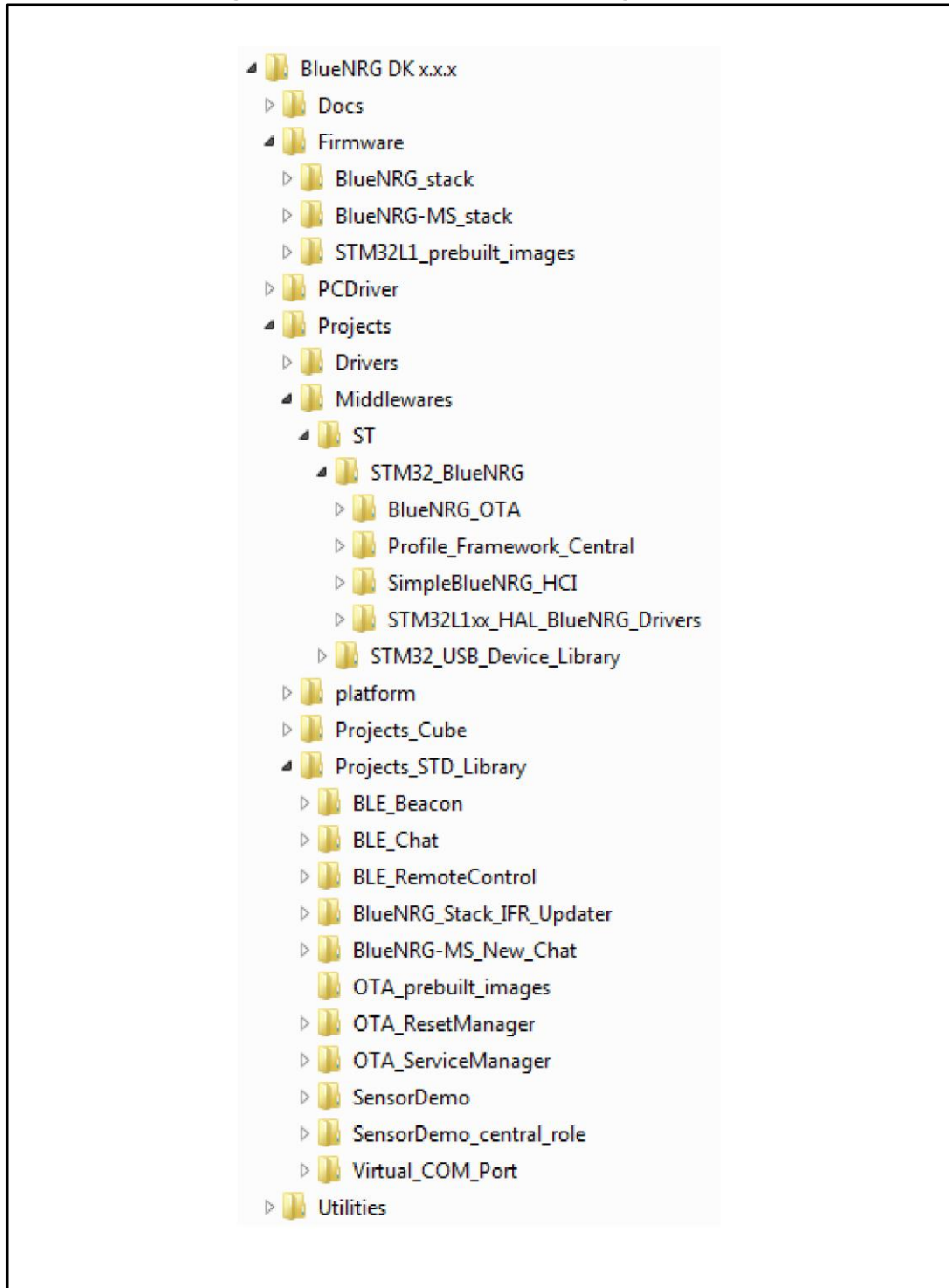
Description

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.

For further information contact your local STMicroelectronics sales office

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.

IMPORTANT NOTICE – PLEASE READ CAREFULLY