

## The RF-Flasher utility



### Features

- The RF-Flasher standalone PC utility allows the ST wireless System-on-Chips devices Flash to be read, mass erased, written and programmed. Current supported wireless devices are: BlueNRG-1, BlueNRG-2, BlueNRG-LP, BlueNRG-LPS
- UART mode through the devices preprogrammed UART bootloader to target Flash reading, mass erasing, writing and programming operations
- SWD mode through the devices standard SWD interface to target Flash reading, mass erasing, writing and programming operations
- HW SWD programming/debugging tools support (CMSIS-DAP, ST-Link/V2, J-Link)
- The multiple devices programming through SWD and UART interface
- MAC address programming at specific Flash location selected by user (UART or SWD mode)
- Standalone Flasher launcher utility

### Description

The **STSW-BNRGFLASHER** is an SW package containing a standalone PC utility, which allows the ST wireless System-on-Chips devices Flash to be read, mass erased, written and programmed.

It currently supports the BlueNRG-1, BlueNRG-2, BlueNRG-LP, BlueNRG-LPS Flash access through both UART and SWD interfaces using, respectively, the internal device UART bootloader and the standard SWD interface through HW SWD programming/debugging tools (CMSIS-DAP, ST-Link/V2, J-Link).

It allows a MAC address to be stored on a specific Flash location selected by user, through the UART or SWD interface. MAC address can be directly provided by user, read from an input file containing the MAC address list or set with incremental steps starting from a user provided MAC address value.

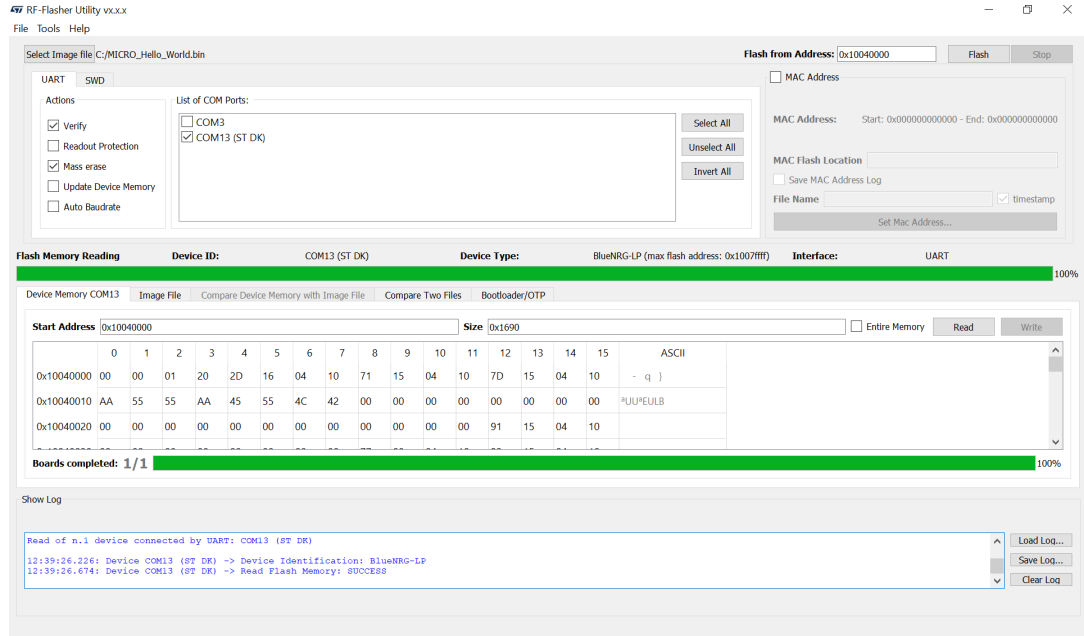
It also supports the capability to program more devices through SWD and UART interfaces. Further, user can also activate a programming loop when a single SWD programming tool is available, just plug a new device platform to be programmed, wait for programming end, and then unplug programmed platform and plug another one platform (plug and play mode).

A standalone flasher launcher utility is also provided in the RF-Flasher software package. This utility let you target Flash reading, mass erasing, writing and programming operations from a PC DOS window outside the Flasher GUI PC application context.

Product summary	
RF-Flasher utility SW package	STSW-BNRGFLASHER
Bluetooth® low energy/wireless system-on-chip	BlueNRG-1, BlueNRG-2, BlueNRG-LP, BlueNRG-LPS
Evaluation platform based on the BlueNRG-1/, BlueNRG-2/, BlueNRG-LP	STEVAL-IDB007V2, STEVAL-IDB007V1M, STEVAL-IDB008V2, STEVAL-IDB008V1M, STEVAL-IDB009V1, STEVAL-IDB011V1, STEVAL-IDB011V2, STEVAL-IDB012V1
Applications	Wireless connectivity

# 1 The RF-Flasher PC utility

Figure 1. The RF-Flasher PC utility



## Revision history

**Table 1. Document revision history**

Date	Version	Changes
27-Apr-2018	1	Initial release.
21-Jun-2018	2	Updated cover image, Section Features, Section • Description and Section 1 The BlueNRG-1, BlueNRG-2 Flasher PC utility.
14-Feb-2019	3	Updated cover image and Figure 1. The RF-Flasher PC utility.
14-Jul-2020	4	Updated cover image, Section Features, Section Description. Updated Figure 1. The RF-Flasher PC utility. Added reference to the BlueNRG-LP.
09-Dec-2020	5	Update Section Features, Section Description and Section 1 The RF-Flasher PC utility.
11-Oct-2021	6	Update the title, Section Cover image, Section Features, Section Description, Section 1 The RF-Flasher PC utility. Renamed the SW package as RF-Flasher utility.
06-Apr-2022	7	Added reference to the BlueNRG-LPS device and STEVAL-IDB011V2, STEVAL-IDB012V1.

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