

## IN – Information Note

<b>Topic:</b>	<b>NINA-B1 software and certification updates</b>
	UBX-17002486
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<b>Date:</b>	9-Mar-2017

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### 1 Affected Products

Product Name	Ordering Code	Type Number	Remarks
NINA-B111	NINA-B111-00B	NINA-B111-00B-00	New ordering code with software v2: NINA-B111-01B
NINA-B112	NINA-B112-00B	NINA-B112-00B-00	New ordering code with software v2: NINA-B112-01B
EVK-NINA-B111	EVK-NINA-B111	EVK-NINA-B111-00	
EVK-NINA-B112	EVK-NINA-B112	EVK-NINA-B112-00	

### 2 Type of Change

- [ ] Hardware modification
- [ x ] Software update available
- [ x ] New country certifications added
- [ x ] Documentation update

### 3 Description of Change

#### 3.1 NINA-B1 u-blox connectivity software v2.0.0 available

Version 2.0.0 of the NINA-B1 u-blox connectivity software [1] is now available. The software contains all features of v1.0.0 plus improvements and new features, such as:

- Central role
- GATT server and GATT client via AT commands
- Multipoint up to 8 simultaneous connections
- Extended Data Mode protocol support
- Configuration over air

The released software is for use in volume production. For details about this software release, please see the *Release notes* [2]. New ordering codes for modules with software v2 are:

- NINA-B111-01B
- NINA-B112-01B

Ordering codes for modules with software v1 remains unchanged and are:

- NINA-B111-00B
- NINA-B112-00B

The modules and evaluation kits can be updated to v2 via a software update. The EVK-NINA-B111 and EVK-NINA-B112 evaluation kits will be updated to be shipped with software v2 out-of-the-box when the stock with software v1 has been depleted.

## 3.2 New country certifications added

New country specific radio type approvals have been added for the NINA-B1 series modules. The NINA-B1 series is now certified for use in:

- Europe
- US
- Australia / New Zealand
- Brazil
- Canada
- Japan
- South Africa
- South Korea
- Taiwan

For details and requirements, see the updated *Data Sheet* [5] and *System Integration Manual* [6]. Note that software v2 is not required.

## 3.3 Documentation update

The following documents have been updated to reflect the latest changes.

- AT commands manual [3]
- Extended Data Mode Protocol Specification [4]
- NINA-B1 Data Sheet [5]
- NINA-B1 System Integration Manual [6]
- NINA-B1 Getting Started [7]
- NINA-B1 Product Summary [8]
- EVK-NINA-B1 User Guide [9]

## 4 Schedule

All documentation, software, country certifications, and modules are available now. The software and the documentation are available for download from [www.u-blox.com](http://www.u-blox.com).

Product Name	Ordering Code	Type Number	Software version	Availability
NINA-B111	NINA-B111-00B	NINA-B111-00B-00	1.0.0	Available
NINA-B112	NINA-B112-00B	NINA-B112-00B-00	1.0.0	Available
NINA-B111	NINA-B111-01B	NINA-B111-01B-00	2.0.0	Available
NINA-B112	NINA-B112-01B	NINA-B112-01B-00	2.0.0	Available

## 5 Customer Impact and Recommended Action

We recommend that customers review the documentation updates, upgrade to the latest software [1], and verify the new release in the application.

**Note:** Due to an issue with the bootloader in software v1.0.0, upgrading from NINA-B1 u-blox connectivity software v1.0.0 must be done via a debugger connected to the SWD interface of the NINA-B1 module. The EVK-NINA-B1 evaluation kit incorporates the debugger/SWD and can thus be updated without any external debugger. This bootloader issue has been solved in the u-blox connectivity software v2.0.0. It is specifically recommended to order the NINA-B1 modules with software v2.0.0 for product designs without SWD/debugger interface, to allow future upgrades via UART.

## 6 Reference Documents

- [1] [NINA-B1 u-blox connectivity software v2.0.0 zip package](#)
- [2] [NINA-B1 u-blox connectivity software v2.0.0 Release notes](#), UBX-17002487
- [3] [u-blox Short Range Modules AT Commands Manual](#), UBX-14044127
- [4] [u-blox Extended Data Mode Protocol Specification](#), UBX-14044126
- [5] [NINA-B1 Data Sheet](#), UBX-15019243
- [6] [NINA-B1 System Integration Manual](#), UBX-15026175
- [7] [NINA-B1 Getting Started](#), UBX-16009942
- [8] [NINA-B1 Product Summary](#), UBX-15018552
- [9] [EVK-NINA-B1 User Guide](#), UBX-15028120