

Information note

Topic NINA-B31 u-connectXpress software v4.0.0
UBX-21036248 C1-Public

Author Len Albertsson

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1 Affected products

Product name	Ordering code	Remarks
NINA-B311	NINA-B311-00B NINA-B311-01B	New ordering code for software v4 available: NINA-B311-02B
NINA-B312	NINA-B312-00B NINA-B312-01B	New ordering code for software v4 available: NINA-B312-02B
NINA-B316	NINA-B316-01B	New ordering code for software v4 available: NINA-B316-02B
EVK-NINA-B311	EVK-NINA-B311	
EVK-NINA-B312	EVK-NINA-B312	
EVK-NINA-B316	EVK-NINA-B316	

2 Type

- Hardware modification
- Software update available
- Documentation update
- Others

3 Description

3.1 Software update

u-connectXpress software v4.0.0 for NINA-B31 is now pre-flashed in modules purchased with the new ordering codes. The software is also available for download at u-blox.com.

The software contains all the features included in the previous software releases, plus several improvements and new features, including:

- Data in AT mode
- Bluetooth Low Energy fixed pin pairing
- Re-connection to devices with privacy feature
- Filtered scan ("allow list")
- NFC URI maximum length extension
- Improved Bluetooth LE Connection Parameter update requests
- Increased number of links with max MTU size

The new software is released for use in volume production. For further details about this software release, see also the Release notes [2].

3.2 Ordering codes

The new ordering codes for modules shipped with u-connectXpress v4.0.0 software are:

- NINA-B311-02B
- NINA-B312-02B
- NINA-B316-02B

The ordering codes for modules pre-flashed with earlier versions of u-connectXpress software remain unchanged:

- u-connectXpress v3:
 - Available as download only
- u-connectXpress v2:
 - NINA-B311-01B
 - NINA-B312-01B
 - NINA-B316-01B
- u-connectXpress v1:
 - NINA-B311-00B
 - NINA-B312-00B

All NINA-B31 modules and evaluation kits can be upgraded to the v4 software. For upgrade instructions, see the NINA-B3 system integration manual [6].

3.3 Documentation updates

The following documents have now been updated to reflect the latest changes. For information about the specific changes that have been implemented, see the revision history given in each document.

- u-connectXpress AT commands manual [3]
- NINA-B3 data sheet [5]
- u-connectXpress software user guide [7]

4 Schedule

u-connectXpress software v4.0.0 and all related documentation is now available for download at u-blox.com. Modules flashed with software v4.0.0 (ordering codes NINA-B311-02B, NINA-B312-02B and NINA-B316-02B) can be ordered now.

5 Customer Impact and recommended action

We recommend that customers review the updated documentation. To take full advantage of the latest updates and features, customers using u-connectXpress software are advised to upgrade to the latest version [1] and verify the new software in the end user application.

6 Reference documents

- [1] NINA-B31 u-connectXpress software v4.0.0 zip package, [NINA-B3_4.0.0.zip](#)
- [2] NINA-B31 u-connectXpress software v4.0.0 release notes, [UBX-21031637](#)
- [3] u-connectXpress AT commands manual, [UBX-14044127](#)
- [4] u-connectXpress extended data mode, protocol specification, [UBX-14044126](#)
- [5] NINA-B3 data sheet, [UBX-17052099](#)
- [6] NINA-B3 system integration manual, [UBX-17056748](#)
- [7] u-connectXpress software User guide, [UBX-16024251](#)
- [8] NINA-B31 product summary, [UBX-17052931](#)